## Main Topics for HyperTalk Reference

1. Click an item to get a list of topics:

HyperTalk basics Editing scripts

System messages Kevwords

Keywords Commands

Functions

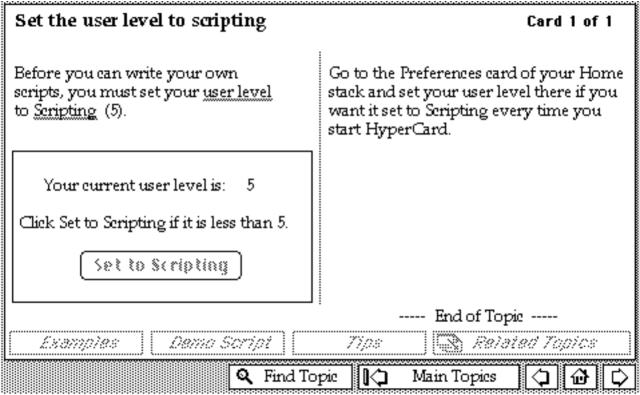
Properties Operators and constants

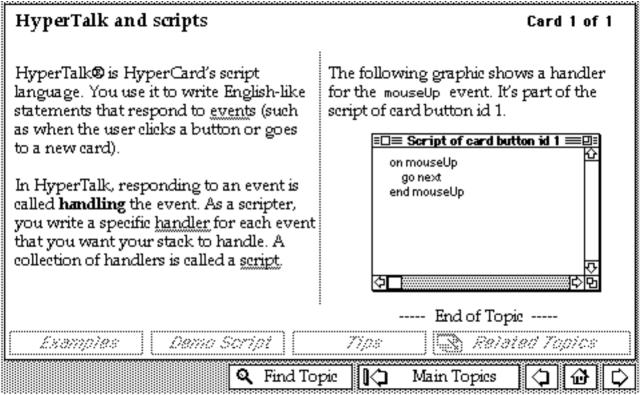


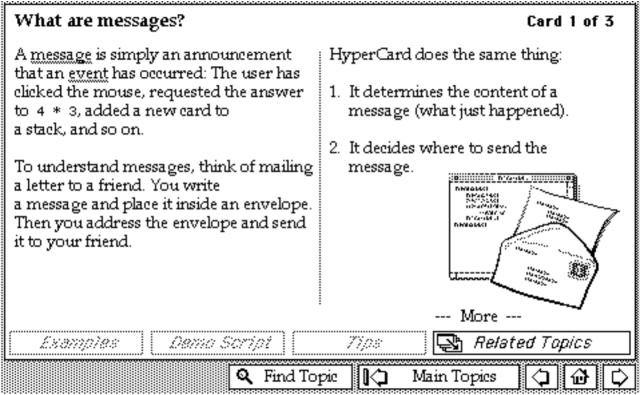




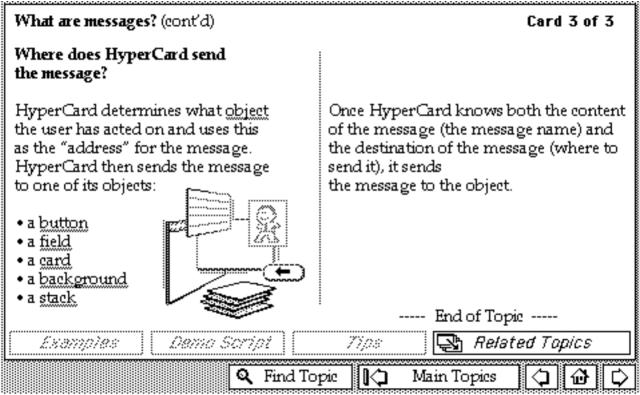


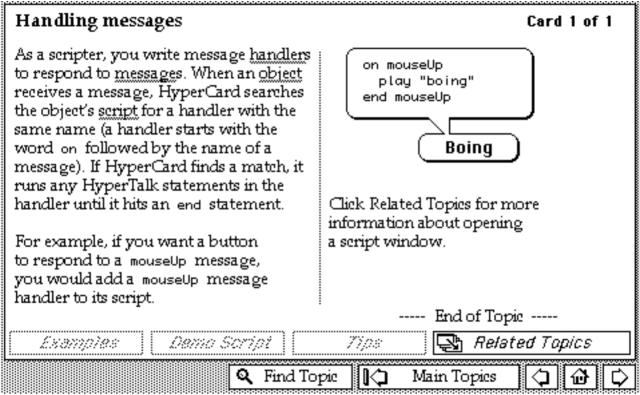


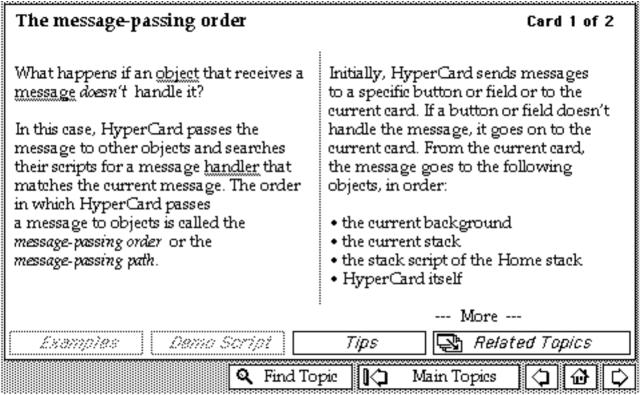


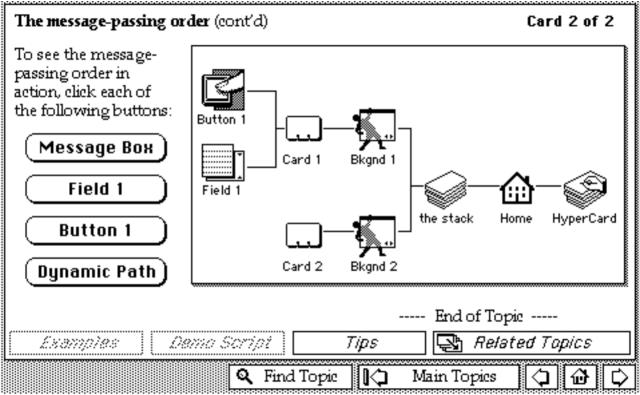


What are messages? (cont'd)	Card 2 of 3
What's the content of a message?	Example Button
The message itself is just HyperCard's name for the event that occurred. HyperCard acts as a translator: it	HyperTalk translations:
"watches" the stack and translates events into message names.	○ mouseEnter ○ mouseWithin
To see HyperCard translate events into message names, move the pointer over the Example Button and click.	○ mouseLeave ○ mouseDown ○ mouseStillDown ○ mouseUp
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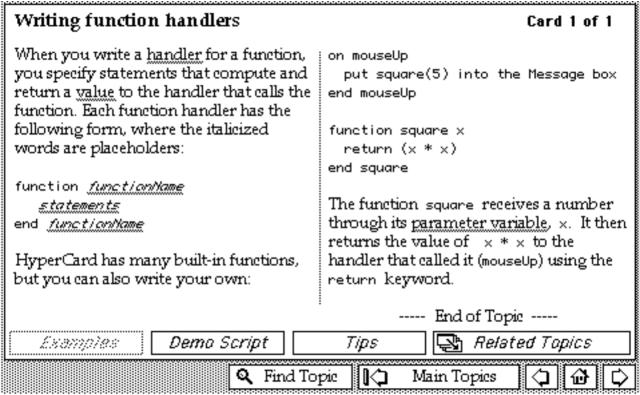


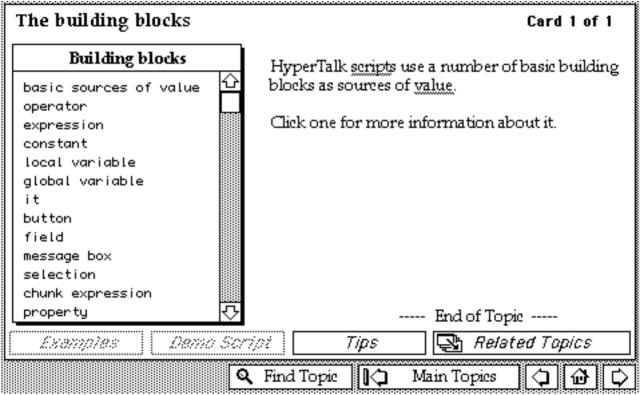


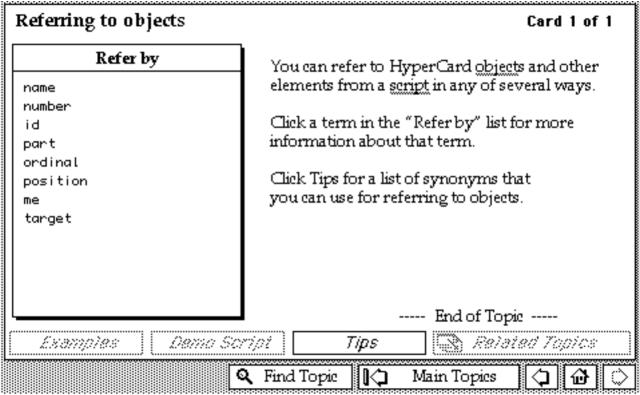
Writing message handlers	Card 1 of 2
When you write a <u>handler</u> for a <u>message</u> ,	Important: The message name does not
you specify a sequence of statements for	have to be one of HyperCard's built-in
HyperCard to run. Each message handler	system messages or commands.
has the following form, with the italicized	F
words as placeholders:	For example, if you wanted a new
	command called doubteBeep that would
on messageName	beep twice, you would write a handler for it as follows:
statements	a hariotter for icas follows.
end <i>messageName</i>	on doubleBeep
When it runs the message handler,	beep
HyperCard sends each line of the handler	beep
as a message itself (so handlers can call	end doubleBeep
other handlers).	·
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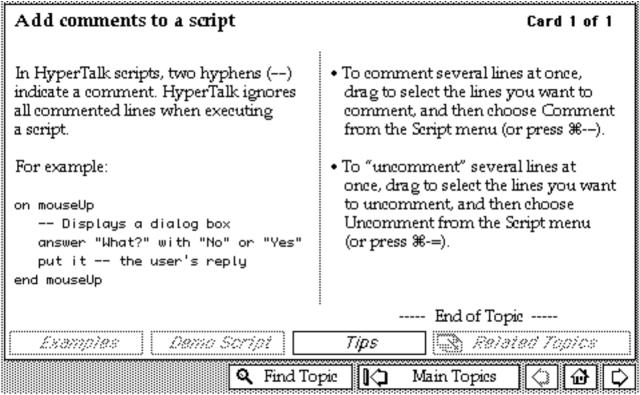
Writing message handlers (cont'd)	Card 2 of 2
Of course, HyperCard doesn't know about the doubleBeep command, so it will never be sent automatically in response to an event. But you can send doubleBeep from the Message box or use it as a statement in other handlers.  For example, the script of a card button	If the script also contains the doubleBeep handler (or if the script of any object later in the message-passing path contains it), the mouseUp message will send the doubleBeep message, and doubleBeep will send two beep commands. Because beep is a built-in command, HyperCard beeps twice.
might contain the following handler for the system message mouseUp: on mouseUp doubleBeep end mouseUp	If HyperCard can't find the doubleBeep message, it will complain (with a dialog box) that it "can't understand" the message.
,	End of Topic
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Using parameter variables	Card 1 of 1
A <u>handler</u> can receive values (called	on mouseUp
parameters) and use them as it runs. You	sayMessage "red", "apple"
represent each value with a parameter	end mouseUp
<b>variable</b> . A parameter variable always	
follows the handler name in a	on sayMessage color, fruit
comma-separated list.	put "I want a" && color && fruit
	end sayMessage
For example, when running the following	
mouseUp handler, HyperCard calls	You can use the variables cotor and
sayMessage with two values, "red" and	fruit anywhere inside the handler.
"apple". It then binds these values to the	When HyperCard sees them, it uses
parameter variables cotor and fruit in	the values currently bound to them.
the sayMessage handler.	(The variables remain bound only while
	the handler runs.)
	End of Topic
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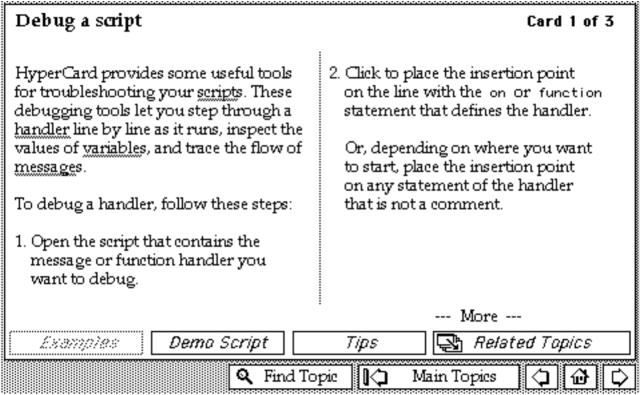




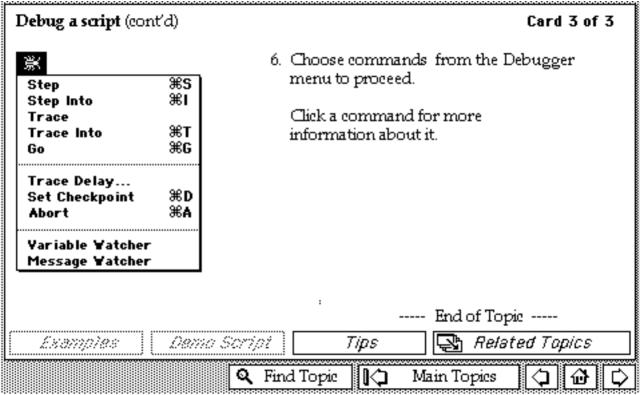


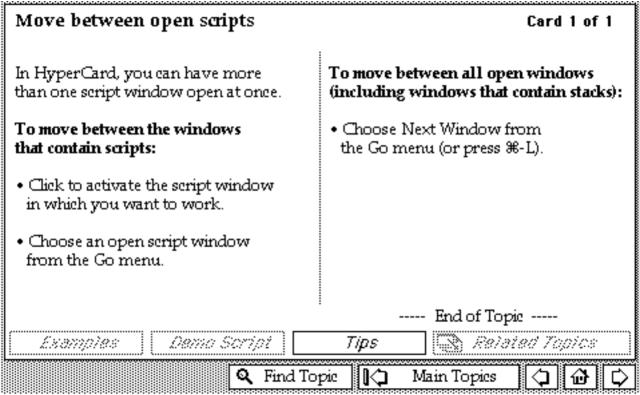


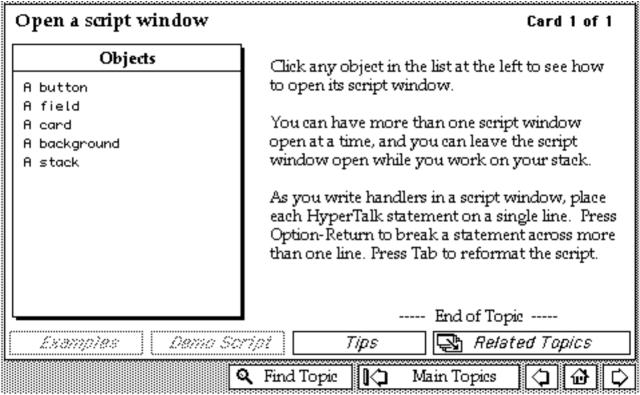
Close a script window	Card 1 of 1
There are several ways to close a script window. If you close a window in which you've made changes, HyperCard asks you if you want to save the changes before it closes the window.	To close a script window without saving your changes:  Press # (period).
To close a script window:	To close a script window and save your changes:
• Click the window's close box.	<u> </u>
• Choose Close from the Edit menu (or press #-W).	Press Enter.
• Hold down #8-Option and click.	
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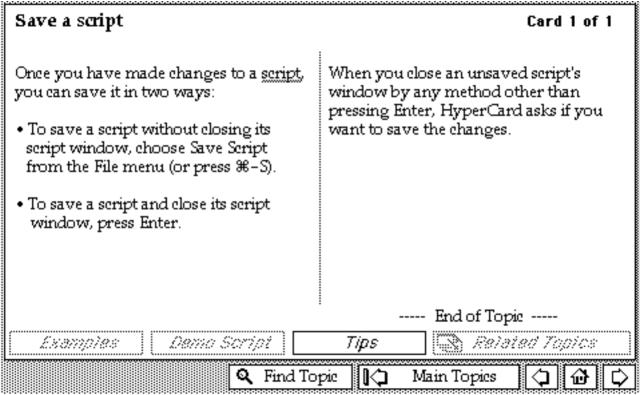


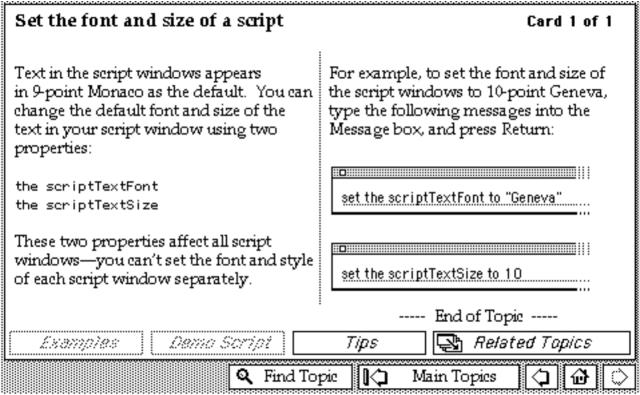
Debug a script (cont'd)	Card 2 of 3
3. Choose Set Checkpoint from the Script menu (or press 光D) to set a temporary <u>checkpoint</u> .	When HyperCard hits the checkpoint, it opens the script and puts a box around the current statement. HyperCard also displays the Debugger menu.
A checkpoint tells HyperTalk where you want to start watching the script as it runs.	HyperCard does not enter the script editor itself: All of HyperCard's normal menus remain in the menu bar. (Because
4. Press Enter to save the script and close the script editor window.	the script is still running, HyperCard must preserve the current context.) But only the Debugger menu is active.
5. Now, perform the action in HyperCard that will run the script (for example, click a button).	
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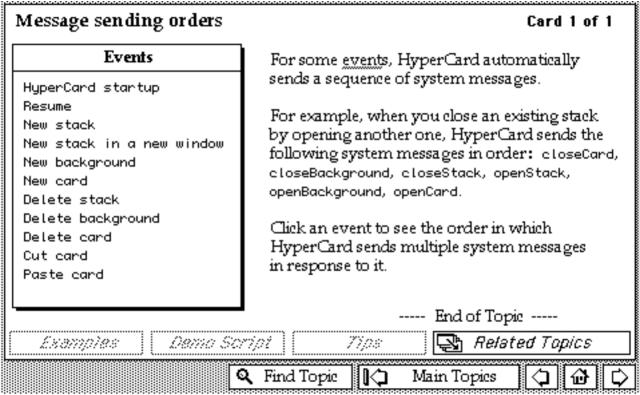


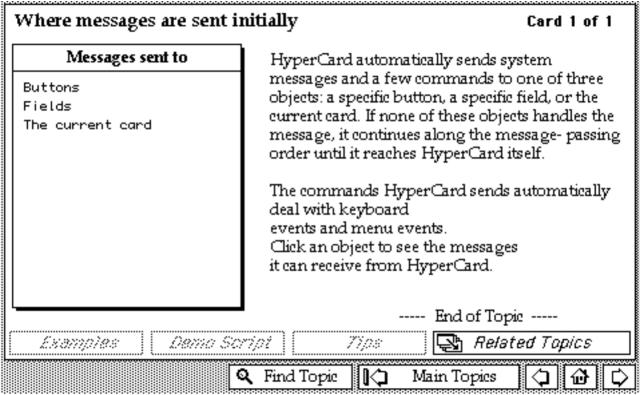


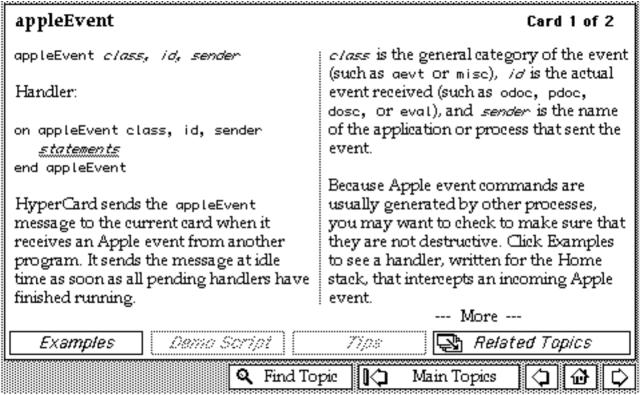




Commands sent automatically	Card 1 of 1
HyperCard sends some commands	HyperCard sends help as a message
automatically in response to events, just as it sends system messages. But unlike	when the user chooses Help from the Go menu (or presses #-?).
system messages, if the command passes	mena (or presses æ-?).
all the way to HyperCard, HyperCard	HyperCard sends arrowKey,
performs a built-in action. So if you trap	commandKeyDown, controlKey,
the command, the action won't happen.	enterInField, enterKey, functionKey,
	keyDown, returnInField, returnKey,and
HyperCard sends choose and doMenu	tabKey as messages when the user
as messages when the user chooses	presses a key. It automatically sends
a tool or an item from one of	errorDialog and appleEvent messages.
HyperCard's menus. It sends close	
as a message when the user clicks	☐lick Related Topics for more
the close box of a window.	information about each command.
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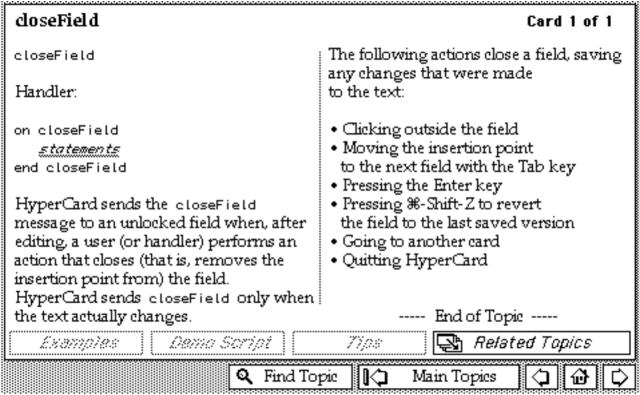


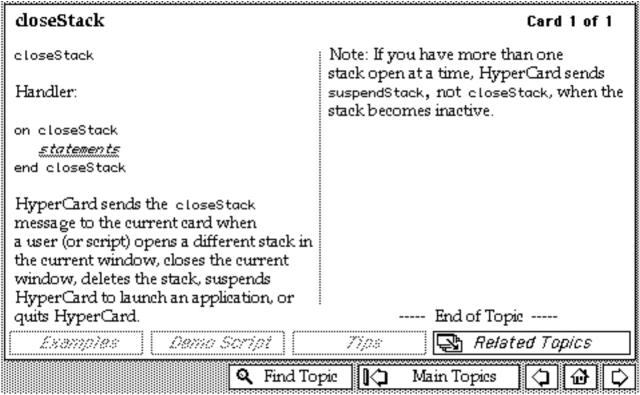
•	appleEvent (cont'd)	Card 2 of 2
	You'll see lots of appleEvent messages in the message watcher when HyperCard is being controlled by AppleScript from another application.	You don't have to define an appleEvent handler to enable HyperCard to handle Apple events. Use an appleEvent handler only if you need to get a peek at the incoming Apple events or to handle them
	Apple events generated internally when HyperCard runs AppleScript don't	yourself.
	produce appleEvent messages.	The appleEvent message occurs only under System version 7.0 and later.
	Use the request command within an appleEvent handler to obtain additional information about the event.	v
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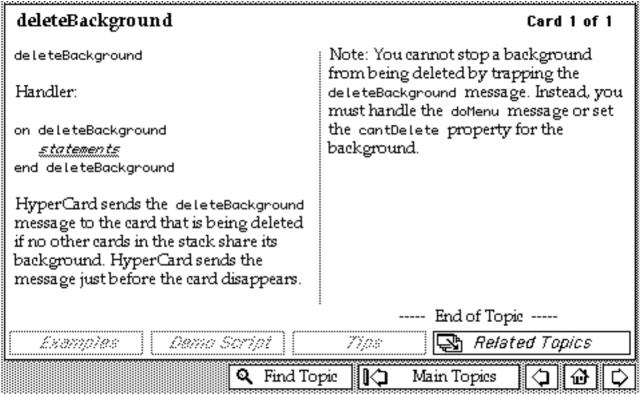
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closeBackground	Card 1 of 1
closeBackground	
Handler:	
on closeBackground <u>statements</u> end closeBackground	
HyperCard sends the closeBackground message to the current card when a user (or handler) quits HyperCard, goes to a card whose background is different from the background of the current card, and when a background or stack is	
deleted.   Examples   Demo Script	End of Topic
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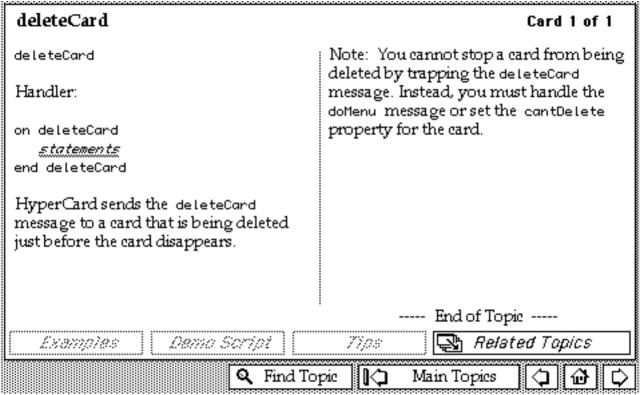
closeCard	Card 1 of 1
closeCard	
Handler:	
on closeCard <u>statements</u> end closeCard	
HyperCard sends the closeCard message to a card when a user (or script) goes to another card; deletes a card, background, or stack; or quits HyperCard.	
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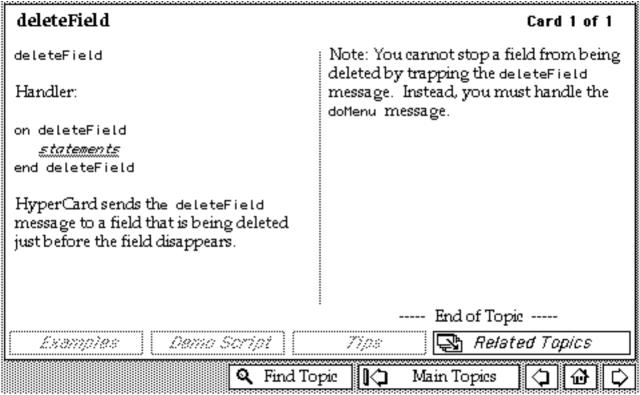


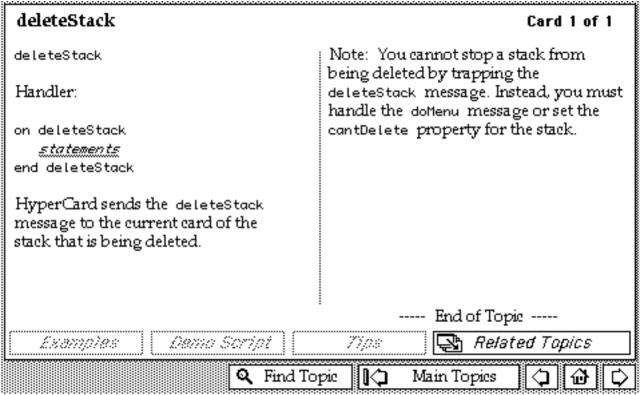


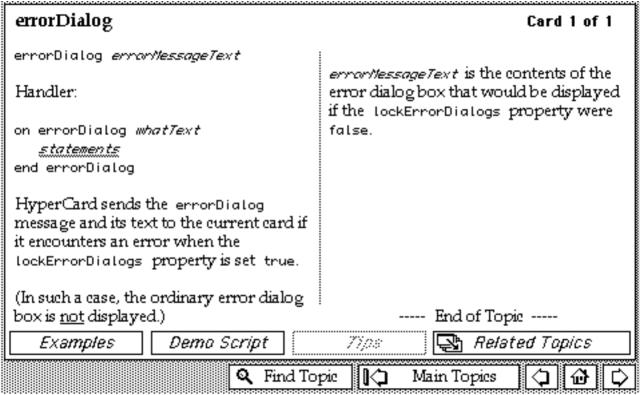


deleteButton	Card 1 of 1
deleteButton	Note: You cannot stop a button from being deleted by trapping the
Handler:	deleteButton message. Instead, you must handle the doMenu message.
on deleteButton	Trastantate are done in Tressage.
statements	
end deleteButton	
HyperCard sends the deleteButton message to a button that is being deleted just before the button disappears.	
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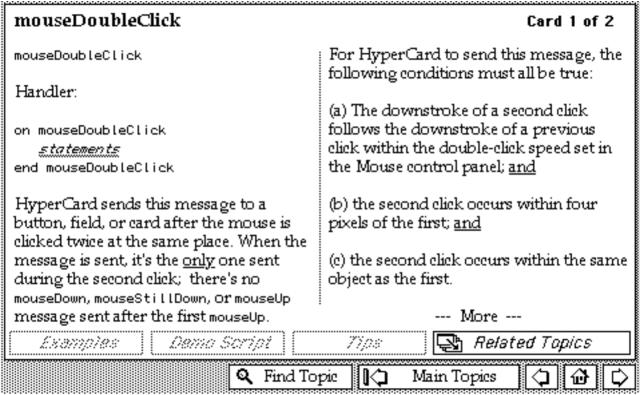






exitField	Card 1 of 1
exitField	
Handler:	
on exitField <u>statements</u> end exitField	
HyperCard sends the exitField message to an unlocked field when, after clicking in a field or tabbing to it, a user (or handler) removes the insertion point from the field without changing any of its text.	
	End of Topic
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idle	Card 1 of 1
idle	
Handler:	
on idle <u>statements</u> end idle	
HyperCard repeatedly sends the idle message to the current card when no other events are occurring (that is, when all handlers have finished running and HyperCard itself isn't sending other messages).	
9 7	End of Topic
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mouseDoubleClick (cont'd)	Card 2 of 2
If the user clicks repeatedly at the same location faster than the double-click speed set in the Mouse control panel, HyperCard treats each odd-numbered click as a first click and each even-numbered click as a second click.	
	End of Topic
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mouseDown	Card 1 of 1
mouseDown	HyperCard sends mouseDown to the current card when the user presses the
Handler:	mouse button down and the pointer is not in the rectangle of a button or field.
on mouseDown	
statements	
end mouseDown	
HyperCard sends the mouseDown message to a button or to a <u>locked field</u> when the user presses the mouse button down and the pointer is inside the rectangle of the button or field.	
	End of Topic
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mouseEnter	Card 1 of 1
mouseEnter	
Handler:	
on mouseEnter <u>statements</u> end mouseEnter	
HyperCard sends the mouseEnter message to a button or field just after the pointer moves within its rectangle.	
	End of Topic
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mouseLeave	Card 1 of 1
mouseLeave	
Handler:	
on mouseLeave  statements end mouseLeave  HyperCard sends the mouseLeave	
message to a button or field just after the pointer moves outside its rectangle.	
	End of Topic
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mouseStillDown	Card 1 of 1
mouseStillDown	HyperCard sends mouseStillDown to the current card when the user holds
Handler:	the mouse button down and the pointer is not in the rectangle of a button
on mouseStillDown	or field.
statements	
end mouseStillDown	
HyperCard repeatedly sends the	
mouseStillDown message to a button	
or to a locked field while the user holds the mouse button down and the pointer is	
inside the rectangle of the button or field.	
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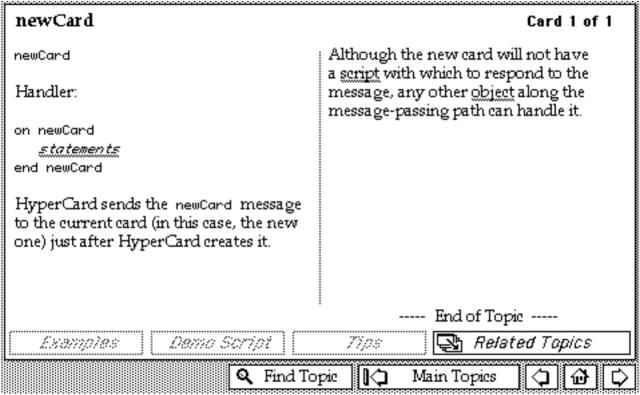
mouseUp	Card 1 of 1
mouseUp	HyperCard sends mouseUp to the current card when the user both presses and
Handler:	releases the mouse button while the pointer is not in the rectangle of a button
on mouseUp	or field.
statements	
end mouseUp	
HyperCard sends the mouseUp message to a button or locked field when the user releases the mouse button and the pointer is inside the rectangle of the same button or field it was in when the user pressed the mouse button.	
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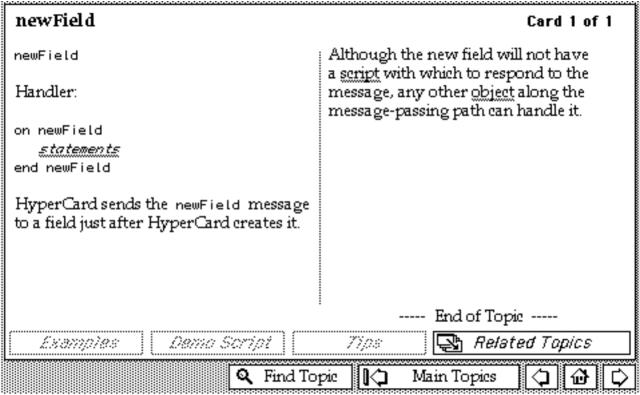
mouseWithin	Card 1 of 1
mouseWithin	
Handler:	
on mouseWithin <u>statements</u> end mouseWithin	
HyperCard sends the mouseWithin message to a button or field repeatedly while the pointer is inside its rectangle.	
	End of Topic
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moveWindow	Card 1 of 1
moveWindow	
Handler:	
on moveWindow	
statements	
end moveWindow	
HyperCard sends the moveWindow	
message to the current card when the	
user or a script moves the window. In	
many cases, HyperCard will send a	
sizeWindow message immediately	
before a moveWindow message.	
	End of Topic
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newBackground	Card 1 of 1
newBackground	Although the new background will
Handler:	not have a <u>script</u> with which to respond to the message, any other <u>object</u> along the message-passing path can handle it.
on newBackground	die message-passing padream nanoiene.
statements	
end newBackground	
ena newbackyrouna	
HyperCard sends the newBackground	
message to the current card (in this case,	
the first card of the new background) just	
after HyperCard creates the background.	
arter ripper card ereates die background.	
	End of Topic
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newButton	Card 1 of 1
newButton	Although the new button will not have a
Handler:	script with which to respond to the message, any other object along the
	message-passing path can handle it.
on newButton	
statements	
end newButton	
HyperCard sends the newButton message to a button just after HyperCard	
creates it.	
	End of Topic
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newStack	Card 1 of 1
newStack	Although the new stack will not have
Handler:	a <u>script</u> with which to respond to the message, any other <u>object</u> along the message-passing path can handle it.
on newStack	message-passing padream nancite ic.
statements	
end newStack	
HyperCard sends the newStack message	
to the current card (in this case, the first	
card of the new stack) just after	
HyperCard creates the stack.	
	End of Topic
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openBackground	Card 1 of 1
openBackground	
Handler:	
on openBackground <u>statements</u> end openBackground	
HyperCard sends the openBackground message to the current card just after a user (or script) goes to a card whose background differs from the background of the most recent card.	
	End of Topic
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openCard	Card 1 of 1
openCard	
Handler:	
on openCard  statements end openCard	
HyperCard sends the openCord message to the current card just after a user (or handler) goes to the card.	
	End of Topic
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openField	Card 1 of 1
openField	Once opened for editing, a field no longer
Handler:	receives openField messages.
on openField	
<i>statements</i> end openField	
and open retu	
HyperCard sends the openField message to an unlocked field when	
a user (or handler) first opens it for text	
editing. A user opens a field for editing	
either by clicking in the field or by tabbing from the previous field.	
abblig from the previous field.	End of Topic
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openStack	Card 1 of 1
openStack	Note: If you have more than one stack open at a time, HyperCard sends
Handler:	resumeStack, not openStack, when the stack becomes active.
on openStack	
statements	
end openStack	
HyperCard sends the openStack	
message when a user (or handler)	
goes to a card in a stack different from	
that of the most recent card.	
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quit	Card 1 of 1
quit	
Handler:	
on quit <u>statements</u> end quit	
HyperCard sends the quit message to the current card when the user chooses Quit HyperCard from the File menu (or presses #-Q), just before HyperCard quits.	
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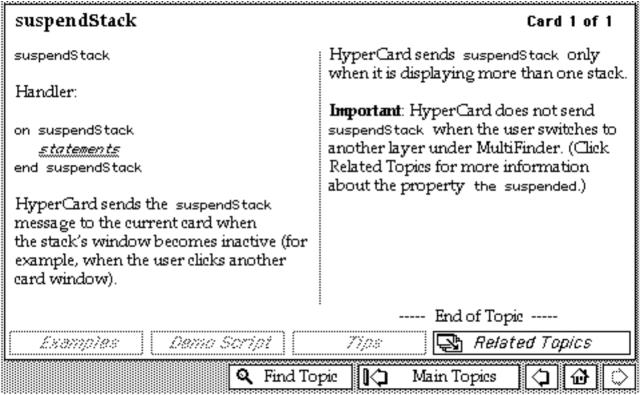
resume	Card 1 of 1
resume	Note: HyperCard does not send this
Handler:	message when it's running under MultiFinder.
on resume	
statements end resume	
HyperCard sends the resume message to the current card when HyperCard	
resumes running after the user quits	
an application launched from HyperCard.	
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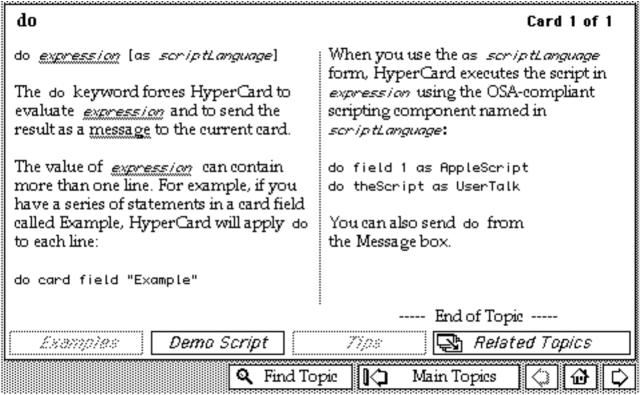
resumeStack	Card 1 of 1
resumeStack	HyperCard sends resumeStack only when it is displaying more
Handler:	than one stack.
on resumeStack <u>statements</u> end resumeStack  HyperCard sends the resumeStack message to the current card when the stack's window becomes active after being inactive (for example, when the user clicks in a window).	Important: HyperCard does not send resumeStack when the user switches to HyperCard from another layer under MultiFinder. (Click Related Topics for more information about the property the suspended.)
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sizeWindow	Card 1 of 1
sizeWindow	Here are the ways a window can be
Handler:	resized:
on sizeWindow	The user resizes the window using the size box.
statements	The user resizes the window
end sizeWindow	using the Scroll window.  • The user clicks the zoom box, and
HyperCard sends the sizeWindow	the zoom changes the window size.
message to the current card when the user or a script resizes the window. In	<ul> <li>A handler sets the rect of the card window to a new size.</li> </ul>
many cases, HyperCard will send a moveWindow message immediately after	A handler resizes all the cards in a stack by setting the rect of the card
a sizeWindow message.	to a new size.
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startUp	Card 1 of 1
startUp	
Handler:	
on startUp <u>statements</u> end startUp  HyperCard sends the startUp message to the first card displayed when HyperCard is first started.	
	End of Topic
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suspend	Card 1 of 1
suspend	Note: HyperCard does not send this
Handler:	message when it's running under MultiFinder.
on suspend	
statements	
end suspend	
HyperCard sends the suspend message	
to the current card when a user (or	
handler) launches an application from HyperCard with the open command, just	
before the application is launched.	
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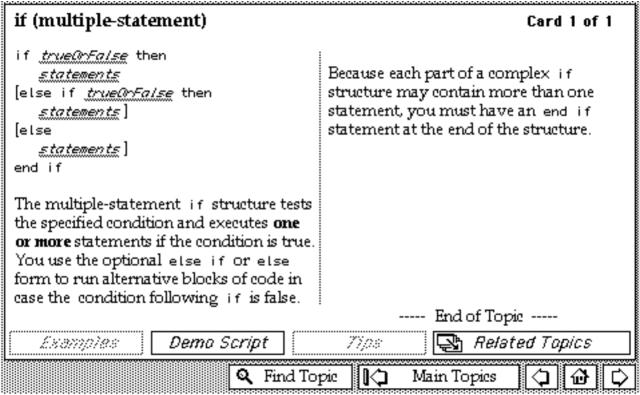




exit	Card 1 of 1
exit repeat	The exit <i>functionName</i> and exit
exit <i>functionName</i>	message//ame forms stop the current
exit <i>messageName</i>	message or function handler. Control
exit to HyperCard	returns to any pending statements from another handler, if any.
The exit keyword interrupts the current	
flow of control.	Exit to HyperCard terminatesall
	running or pending handlers and cancels
Exit repeat sends control to the end	all pending messages.
of a repeat structure, ending execution of the loop regardless of the state of the	Haine with to leave a function bandlen
controlling conditions.	Using exit to leave a function handler sets the value of the function to empty.
condomig conducts.	ses are variation are random to empty.
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function	Card 1 of 1
function <i>functionName</i> [ <i>parameterList</i> ] <i>statements</i> end <i>functionName</i>	When a function is called, HyperCard evaluates each item within the parenthetical list following the function's name. When the handler begins to
The function keyword defines a new	execute, HyperCard assigns each value to
function handler of the specified name.	a <u>parameter variable</u> in the
You call a function by placing parentheses	parameterList
after its name, enclosing any parameters	I In a the second solution
within the parentheses:	Use the return keyword within the function definition to have the
get deleteSpaces(" hello ")	function return a value to the handler that called it. If you don't use return, the
The optional <i>parameterList</i> lets a	function evaluates to empty.
function handler receive values sent along	
with the function call.	End of Topic
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global	Card 1 of 1
global <u>wariableList</u>	Global variables are not saved
The global keyword makes a <u>variable</u> and its contents available to any <u>handler</u> in HyperCard. Changing the value of a global variable in any handler changes its value everywhere.	between sessions of HyperCard. Global variables are also lost under System 6's single Finder when a user (or handler) suspends HyperCard by launching another application with the open command.
Note: You must use the global keyword in <b>each handle</b> r to declare the global variables you want to use.	
	: End of Topic
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if (single-statement)	Card 1 of 1
if <i>trueOrFalse</i> then <i>statements</i> ¬ [else <i>statements</i> ]	Because each part of a simple if structure is limited to one statement, you don't need an end if statement.
if trueOrFalse then statements [else if trueOrFalse then statements] [else statements]	You can send a one-line if structure from the Message box.
The single-statement if structure tests for a condition and executes <b>one</b> statement if the condition is true. You use the optional else if or else form to run other blocks of code in case the condition following if is false.	End of Topic
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on	Card 1 of 1
on <i>messageName</i> [ <i>parameterList</i> ] <i>statements</i> end <i>messageName</i>	
The on keyword defines a new message handler of the specified name.	
The optional <u>parameter( )st</u> lets the handler receive values sent along with a message. HyperCard assigns each value to a parameter variable in the	
parameterList.	
	End of Topic
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pass	Card 1 of 1
pass function/lame  pass message/lame  The pass keyword ends execution	In general, a stack should pass any system messages that it handles so that other stacks later in the message-passing order also get a chance to handle the
of the current handler and sends the entire message that initiated execution of the handler to the next object in the message-passing order.  (Ordinarily, once a message is handled, it does not continue along the message-	message.  For example, a mouseWithin handler in your Home stack won't ever run if you also have a mouseWithin handler without a pass statement in a stack before Home in the message-passing path.
passing order.)  Examples  Demo Script	End of Topic  7708 Related Topics
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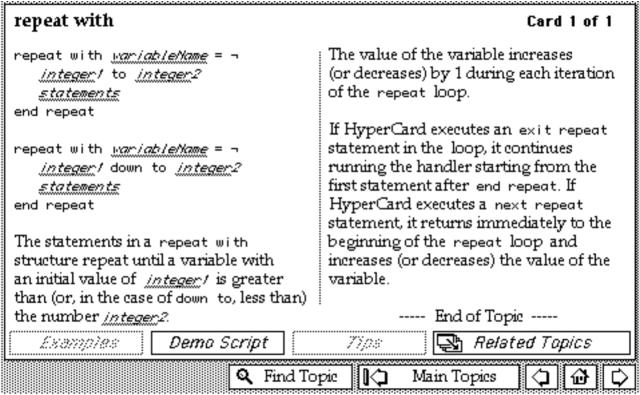
repeat	Card 1 of 1
repeat [forever] <u>statements</u> end repeat	If HyperCard executes a next repeat statement, it returns immediately to the beginning of the repeat loop.
The statements in a repeat forever structure repeat continuously.	
If HyperCard executes an exit repeat statement in the loop, it continues running the handler starting from the first statement after end repeat.	
· ·	End of Topic
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repeat for	Card 1 of 1
repeat [for] <i>pas/nteger</i> [times] <i>statements</i> end repeat	If HyperCard executes a next repeat statement, it returns immediately to the beginning of the repeat loop.
The statements in a repeat for structure repeat for a specified number of times.	
If HyperCard executes an exit repeat statement in the loop, it continues running the handler starting from the first statement after end repeat.	
	End of Topic
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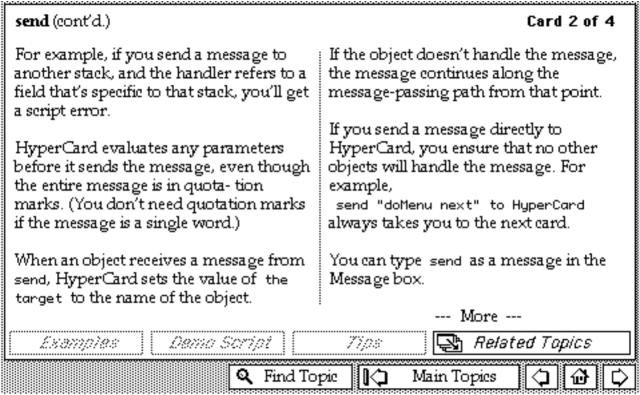
repeat until	Card 1 of 1
repeat until <i>trueOnFalse</i> <u>statements</u> end repeat	If HyperCard executes a next repeat statement, it returns immediately to the beginning of the repeat loop.
The statements in a repeat until structure repeat as long as the condition following the word until is false. HyperCard checks the condition before the first and any subsequent iterations of the loop.	
If HyperCard executes an exit repeat statement in the loop, it continues running the handler starting from the first statement after end repeat.	End of Topic
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repeat while	Card 1 of 1
repeat while <i>trueOnFalse</i> <i>statements</i> end repeat	If HyperCard executes a next repeat statement, it returns immediately to the beginning of the repeat loop.
The statements in a repeat while structure repeat as long as the condition following the word while is true.  HyperCard checks the condition before the first and any subsequent iterations of the loop.	
If HyperCard executes an exit repeat statement in the loop, it continues running the handler starting from the first statement after end repeat.	End of Topic
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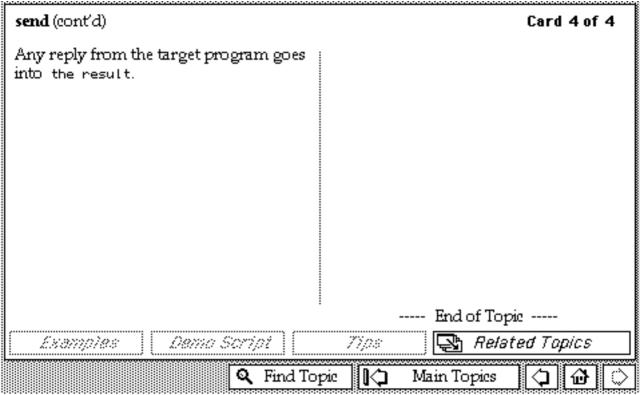


return	Card 1 of 1
return <u>expression</u> The return keyword ends execution	The value of the result as set by a return statement is valid only immediately after the return statement
of a <u>handler</u> and, in function handlers, returns the value of <u>expression</u> to the handler that called the function.	executes; each new statement resets the result to empty.
If return appears in a message handler (as opposed to a function handler), it ends execution of the handler and places the value of the expression into the HyperTalk function the result.	
	End of Topic
Examples Demo Script	77/28 🔁 Related Topics
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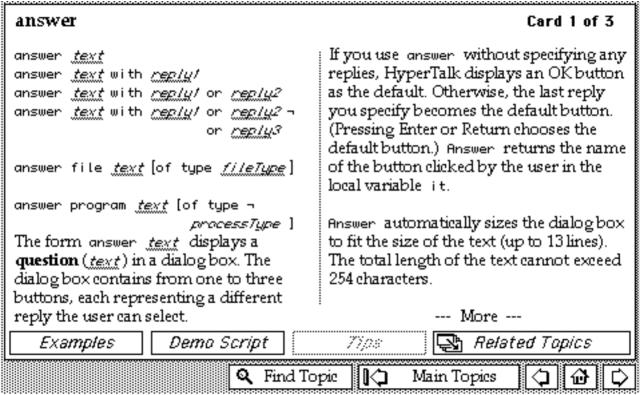
send		Card 1 of 4
[to <u><i>abject</i>]</u>	[ <u>parameterList</u> ]"¬   <u>[parameterList</u> ]"¬	current card), or you can bypass handlers later in the message-passing order that might otherwise handle the message.
1	to { program ¬ ram id <i>program/D</i>   ¬ [without reply]	You can send messages to any object in the current stack, and you can send messages to another stack (but not to objects within another stack).
sends a <u>message</u> di		<b>Important</b> : If you send a message to a card other than the current card, HyperCard doesn't go to the card or open it.
	n a stack back to the	More
Examples	Demo Script	77/ns 🔁 Related Topics
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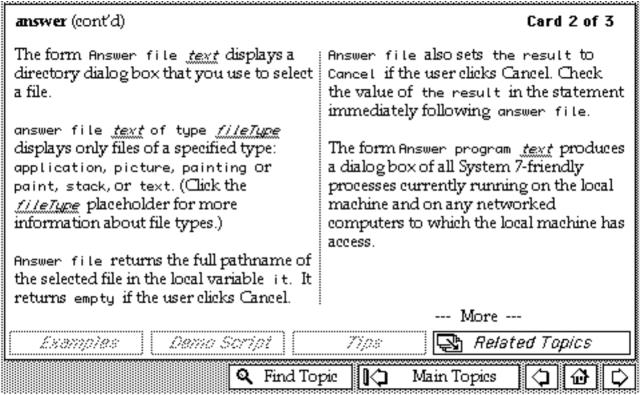


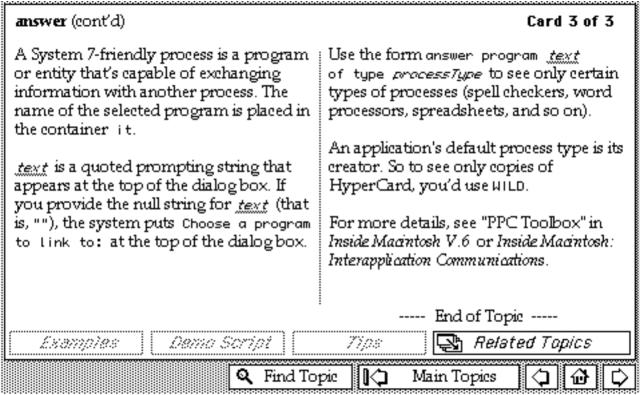
send (cont'd)	Card 3 of 4
The third form sends a do script Apple event from HyperCard to another running application:	expression is any valid expression or any sequence of commands in the scripting language supported by the target program is
send <i>expression</i> to { program ¬ <i>program</i>   program id <i>program/D</i>   ¬ this program } [without reply]	HyperCard, the scripting language is HyperTalk.
arrs program ; [wralout reprg]	By default, HyperCard waits for a reply
where <i>program</i> is the path name to the	from the target program before
target program in the form	continuing; but you can specify without
zone:computer:program, and program/D is the signature of a program on the	reply if you don't want to wait for one.
same computer, this program denotes	
HyperCard.	
	More
Examples Demo Script	77/28 🛂 Related Topics
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add	Card 1 of 1
add <u>number</u> to [ <u>chunk</u> of] <u>containe</u> r	
Note: The container or chunk referred to must contain a number.	
The add command adds the value of number to the number in a container or chunk and replaces the contents of the container or chunk with the result.	
(You can use the is a operator to see if the container is a number.)	
	End of Topic
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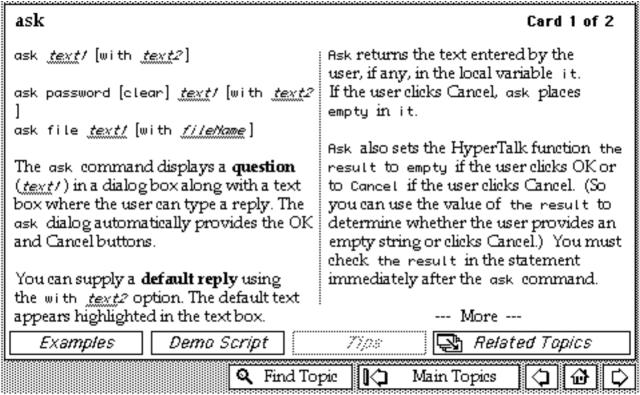


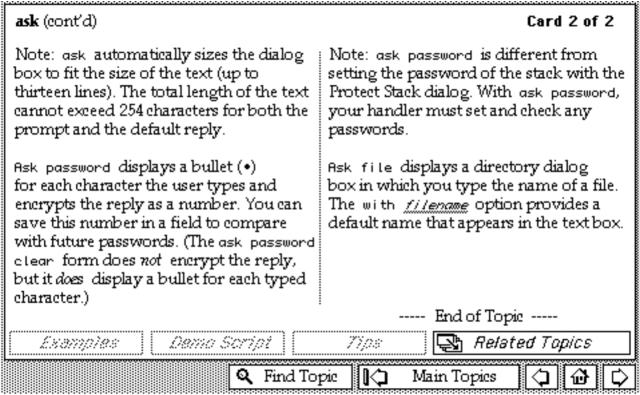




arrowKey	Card 1 of 2
arrowKey <i>direction</i>	If the global property textArrows is true, the arrowKey command navigates
If the global property textArrows is	through cards unless the insertion point is
false, the arrowKey command navigates through cards:	in a field. Then arrowKey moves the insertion point within the field.
arrowKey left = go to previous card arrowKey right = go to next card	HyperCard sends the arrowKey command to the current card when
arrowKey up = go forward through recent cards	an arrow key is pressed. The value passed to the parameter variable direction is
arrowKey down = go backward through recent cards	left, right, up, or down, depending on which arrow
	key is pressed.
	More
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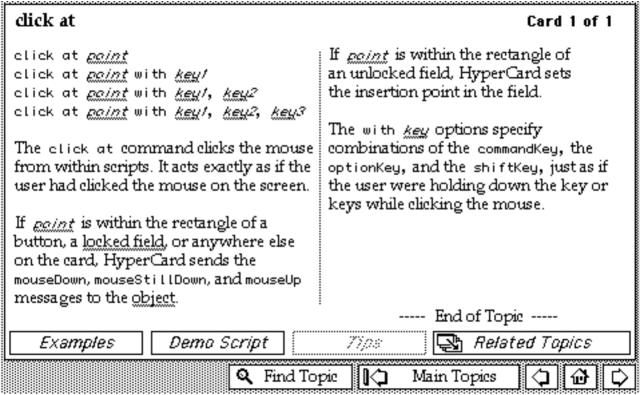
arrowKey (cont'd)	Card 2 of 2
To handle the arrowKey message, use the following form:	
on arrowKey whichKey <u>statements</u> end arrowKey	
In the above form, the parameter variable whichKey is set to a <u>direction</u> .	
	End of Topic
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beep	Card 1 of 1
beep	
beep <u>pos/nteger</u>	
The beep command sounds	
the Macintosh system beep.	
If you specify a <u>cas/nteger</u> , your	
Macintosh beeps that many times.	
	End of Topic
Examples Demo Script	77ps 🔁 Related Topics
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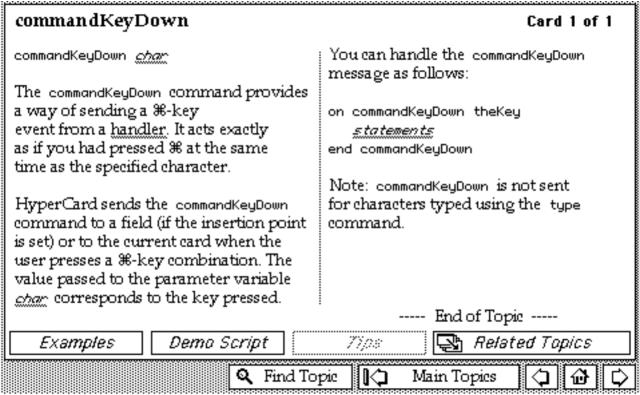
choose	Card 1 of 1
choose tool <i>pas/ntege</i> r	HyperCard passes the word tool to the
choose <i>too/Name</i> tool	first <u>parameter variable</u> and the tool number to the second parameter
where <u>cas/nteger</u> is between 1 and 18.	variable. You can handle the choose command as follows:
The choose command chooses the tool	
with the specified number or name from the Tools <u>palette</u> .	on choose what, toolNumber statements
	end choose
HyperCard sends the choose command to the current card when you choose a	
tool from the Tools menu.	
	: End of Topic
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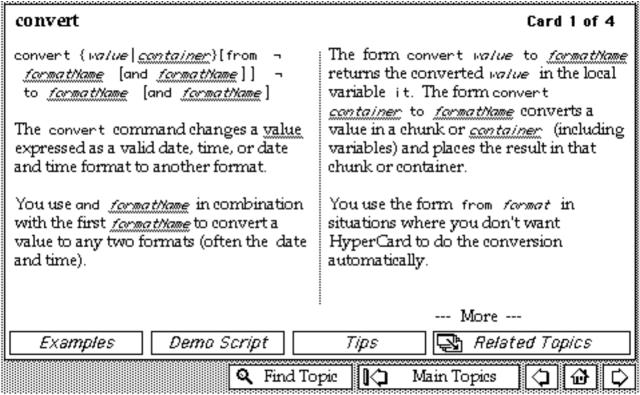
dose	Card 1 of 3
close printing	If you try to close an unopened file, the
close file <i>f//e/kame</i>	result gets File not open.
close [ <i>document</i> { in   with } ] ¬ <i>application</i> close { <i>externalWindow</i>   card window}	HyperCard automatically closes all open files when
The close printing command ends a printjob previously begun with an open	<ul> <li>it runs an exit to HyperCard statement,</li> </ul>
printing command.	<ul> <li>the user presses # (#-period), or</li> <li>the user quits HyperCard.</li> </ul>
The close file command closes a disk	Tale user quits Tryper Cara.
file previously opened with the open	You must provide the full path name
file command. Usually, you open files to import or export text. Always use close	of the file if it's not at the same directory level as HyperCard.
file when you're finished.	More
Examples Demo Script	77ps 🛂 Related Topics
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close (cont'd)	Card 2 of 3
The close [document {in with}]  goolication command closes the named running document, application, or desk accessory. (The words in and with are synonymous.)	The form close <u>application</u> sends a quit Apple event, while the form close <u>document</u> (in with) <u>application</u> sends a clos Apple event.
Note: This command works only with Apple event-aware applications running under System 7 on the same Macintosh as HyperCard.	All Apple event-aware applications support the quit Apple event, but they don't all support clos.
riyper Cara.	The close <u>externa/Window</u> command closes an external window—a palette or
If the document or application isn't	other window displayed by an external
running, the result is set to No such document Or No such application as	command or external function—and removes it from the window list.
appropriate.	More
Examples Demo Script	75/as 🛂 Related Topics
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close (cont'd)	Card 3 of 3
Thus you can't show an external window once you've closed it; you'll have to create a new one using its external command or external function.	on close <u>statements</u> end close
The close card window command closes the frontmost stack if at least two stacks are open.	
HyperCard also sends the close command to the current card when the user clicks the close box of the card window. You can handle the message as follows:	
	End of Topic
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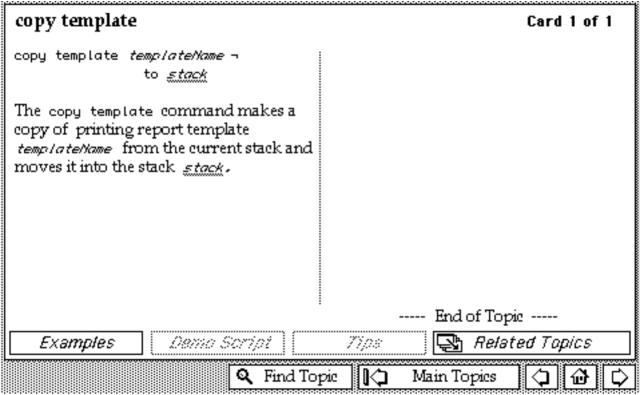
controlKey	Card 1 of 1
controlKey <u>pas/nteger</u>	HyperCard passes the following numbers for each control key combination:
The controlKey command has no built-in	Tor each condorkey combination.
effect. HyperCard sends the controlKey command to the current card when a	Value Key Pressed ☆
	1 a, home
combination of the Control key and	2 b, Enter
another key is pressed.	3 c
	4 d, end
You can handle the controlKey message	5 e, help
as follows:	6 f
45 1040775.	7 g
	8 h, delete
on controlKey theKeyNumber	9 i, tab
<u>statements</u>	10 j
end controlKey	
	End of Topic
Examples Demo Script	77/28 🔁 Related Topics
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convert (cont'd)	Card 2 of 4
There are four types of date formats:	date, which has one of three formats:
• seconds, a positive integer equal to the number of seconds since 12:00 midnight on January 1, 1904	[dayName,] monthName, day, year month/day/year month-day-year
date I tems, a comma-delimited list of seven positive integers equal to the following values:	where dayName = Sunday, Sun, Monday, Mon, Tuesday, Tue, Wednesday, Wed, Thursday, Thur, Friday, Fri, Saturday, Or Sat
year, month, day, hour, minute, second, dayNumber	
where dayNumber 1 = Sunday and	
7 = Saturday.	More
Examples Demo Script	Tips 🖳 Related Topics
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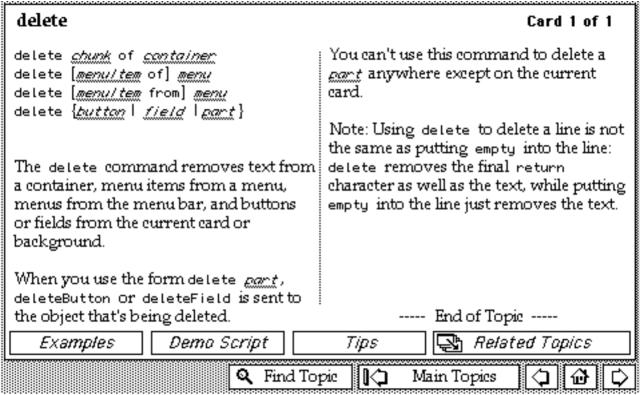
convert (cont'd)	Card 3 of 4
monthName = January, Jan, February, Feb, March, Mar, April, Apr, May, June, Jun, July, Jul, August, Aug, September, Sep,	You can precede the format names date and time with an optional <u>adjective</u> , producing the following formats:
October, Oct, November, Nov, December, Or Dec	abbrev date Fri, Jun 15, 1990 long date Friday, June 15, 1990 short date 6/15/90
time, which has the following format:	abbrev time 3:30 PM long time 3:30:00 PM
hour:minute[:second][timeOfDay]	short time 3:30 PM
where timeOfDay = am Or pm	
	More
Examples Demo Script	Tips Related Topics
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convert (cont'd)	Card 4 of 4
Note: HyperCard can handle dates from 1/1/1000 to 12/31/9999 in all formats. It handles dates from 1/1/1 to 12/31/9999 only in the dateI tems or seconds format. If you try to convert an invalid date (such as "Friday, May 50, 1990"), HyperCard sets the HyperTalk function the result to "Invalid date."	When System 7.1 is running, HyperCard uses the date and time settings from the Date & Time Control Panel.
	End of Topic
Examples Demo Script	Tips 🖳 Related Topics
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create	Card 1 of 1
create menu <i>menu/Xame</i>	The create stack command creates a new stack from within a handler without
create stack <i>fileMame</i> [with <i>bkgnd</i> ]¬ [in a new window]	presenting the New Stack dialog box. The cards in the new stack are the same size as the cards in the current stack.
The create menu command makes a new menu and adds it to the menu bar. HyperCard displays an error message if you try to create a menu that already exists.  Use the put command to add menu items to the new menu. (Click Related	HyperCard sets the function the result to "Couldn't create stack." if it can't create the stack; otherwise, it sets the result to empty, goes to the new stack, and sends a newStack message to the only card in that stack (that is, the current card).
Topics for more information about put.)	: End of Topic
Examples Demo Script	Tips 🖳 Related Topics
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debug	Card 1 of 1
debug checkPoint	Click Related Topics for information
The debug checkPoint command sets	about debugging scripts.
a permanent checkpoint in a HyperTalk handler. When HyperCard runs a	
handler, the debug checkpoint command	
causes HyperCard to enter the debugger; it pauses execution of the handler and	
opens a script editor window with a box	
around the line with the checkpoint.	
This command works only when the	
user level property is set to 5.	
	End of Topic
Examples Demo Script	Tips 🛂 Related Topics
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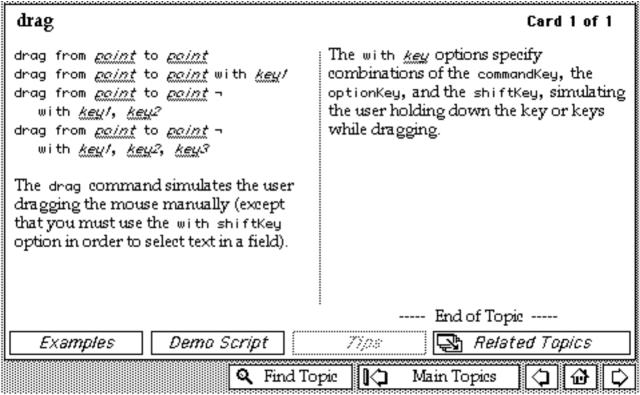
dial	Card 1 of 1	
dial casinteger dial casinteger with modem = [mademCommands]  The dial command generates touch-tone sounds for the digits in casinteger through the Macintosh speaker. To dial the phone from HyperCard, you must either hold the handset up to the speaker of your Macintosh or use a device that	See your modem manual for valid modemCommands.	
feeds Macintosh audio output to the telephone.	quotation marks. Otherwise, HyperCard performs a subtraction before dialing the number.	
	End of Topic	
Examples Demo Script	77)ps 📳 Related Topics	
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disable	Card 1 of 1
disable <i>menu</i>	Disabled buttons don't receive
disable <i>menu/tem</i> of <i>menu</i>	mouseDown, mouseStillDown, mouseUp,Or
disable <u>button</u>	mouseDoubleClick messages when you click them.
The disable command dims menu	
items, entire menus, and buttons. It's a shortcut for setting the enabled property	
of a menu item, menu, or button to	
false.	
Users cannot choose dimmed	
menu items.	
	End of Topic
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divide	Card 1 of 1
divide [chunk of] container by number  The divide command divides the number in the container or chunk by number and puts the result into the container.	If the result is put into a field or the Message box, it is displayed according to the global property numberFormat.  (You can use the is a operator to see if the container is a number.)
Dividing by 0 places INF (for infinity) into the chunk or container. Division is carried out to a precision of up to 19 decimal places.	
Note: The container or chunk referred to must contain a number.	End of Touris
	End of Topic
Examples Demo Script	77ps 🛂 Related Topics
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doMenu	Card 1 of 2
doMenu <i>item/kame</i> [without dialog]¬ [with <i>keys</i> ] doMenu <i>item/kame</i> , <i>menu/kame</i> ¬ [without dialog][with <i>keys</i> ]	with <i>keys</i> chooses the named menu command with the shift, option, and/or <b>x</b> keys pressed.
The domenu command performs the action specified by the item name and menu name just as if the user chose the item directly from the menu.	To determine from a script which keys were specified, look at param(6) of the original command.
without dialog bypasses the dialogbox that would normally appear after the commands Delete Stack and Convert Stack, and, when a background field is selected, after Cut Field and Clear Field.	More
Examples Demo Script	Tips 🖳 Related Topics
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doMenu (cont'd)	Card 2 of 2
HyperCard sends the domenu command as a message to the current card when the user selects a menu item. / tem//ame is the exact name of the menu item selected, and menu//ame is the exact name of the menu that contains the menu item. To handle the domenu message, use this form:	Note: A doMenu handler can override a menuMessage.
on doMenu theltem,theMenu <u>statements</u> end doMenu	
	End of Topic
Examples   Demo Script	Tips 📳 Related Topics
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edit script	Card 1 of 1
edit [the] script of <u>cb/ec</u>	Note: Even though HyperCard itself is an object (it can receive messages),
The edit script command opens the script of an object with the HyperCard script editor.	it does <u>not</u> have a script. The following statement yields an error:
script cator.	edit the script of HyperCard
When run as a statement in a handler, edit script suspends execution of the handler until the user closes the script editor or activates the card window.	For this command to work, the userLeve I property must be set to 5.
	End of Topic
Examples Demo Script	77/00 🔁 Related Topics
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enable	Card 1 of 1
enable menu/tem of menu enable button  The enable command activates menu items, entire menus, or buttons that are inactive (dimmed). It's a shortcut for setting the enabled property to true.	The enable command enables only items in HyperCard's menus that are currently available to the user. For example, the following command will not enable the Button Info command in the Objects menu unless a button is currently selected:  enable menuitem 1 of menu "Objects"
	End of Topic
Examples Demo Script	Tips 📳 Related Topics
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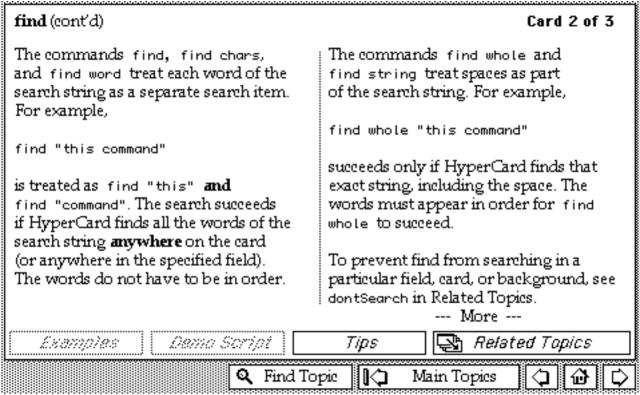
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enterInField	Card 1 of 1
enterInField	You can handle the enterinField
HyperCard sends the enterInField command to a field when the user presses Enter and the insertion point is in the field.	message as follows:  on enterInField <u>statements</u> end enterInField
This command saves the results of any changes the user or a handler makes to a field and closes the field.	
HyperCard sends a closeField message if the user made changes to the text or sends exitField if the user did not make any changes).	End of Topic
Examples Demo Script	77/08 Related Topics
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enterKey	Card 1 of 1
enterKey	You can handle the enterKey message as follows:
The enterKey command sends a statement typed into the Message box to the current card.	on enterKey <u>statements</u> end enterKey
HyperCard sends the enterKey command to the current card when the user presses the Enter key unless the insertion point is in a field, in which case HyperCard sends enterInField instead.	
	End of Topic
Examples Demo Script	77/ns 🔁 Related Topics
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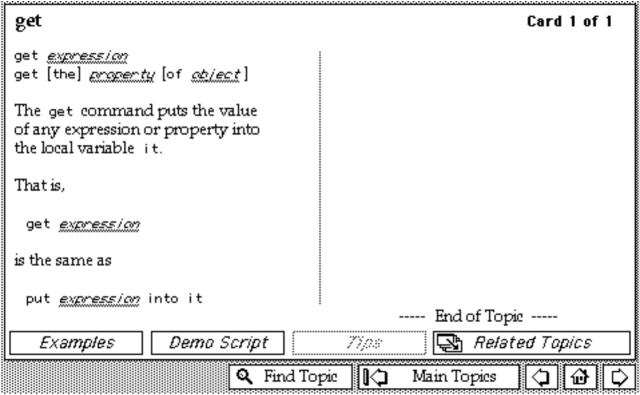
export paint	Card 1 of 1	
export paint to file //ellame  The export paint command saves a  Paint image of the current card to the  specified file. Export paint works only  when one of the Paint tools is chosen.	If export paint succeeds, HyperCard sets the function the result to empty; if the command fails (if, for example, you use export paint when the Browse tool is chosen), HyperCard sets the result to "Couldn't export paint."	
This command has the same effect as the Export Paint menu item that appears in the File menu (when a Paint tool is chosen), except that it avoids the dialog box that prompts the user for a file name.		
	End of Topic	
Examples Demo Script	77/ps 🔁 Related Topics	
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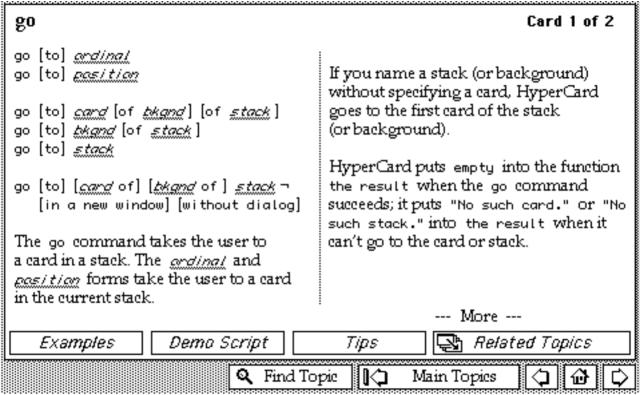
find			Card 1 of 3
find [international]	<u>text</u> ¬	of the current	t stack.
[in <i>fjeld</i> ] [of m	narked cards]		
find chars [internat	ional] <u>text</u> ¬		ı considers diphthongs and
[in <i>fjeld</i> ] [of m	narked cards]	:	rks as it searches. In <i>fjeld</i> ra specific card or
find word [internati	onal] <u>text</u> ¬	backgroundfield. Of marked cards	
[in <i>f/e/d</i> ] [of m	arked cards]	restricts its search to marked cards.	
find whole [internat	ional] <u>text</u> ¬		
[in <i>f/eld</i> ] [of m	arked cards]	When find succeeds, a box appears	
find string [interno	itional] <u>text</u> ¬	around found text (or the first part of the	
[in <i>f/e/d</i> ] [of m	arked cards]	text if the targets are discontinuous); the	
		result is set to empty. When find fails,	
The find commands	earches for	the result is set to the string "Not	
a text string in <b>all</b> the	card and	found".	_
background fields (vis	ible or not)		More
Examples :	Demo Script	Tips	Related Topics
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nd (cont'd)	Card 3 of 3	
Here are the	forms of find types:	
Command	Matches	
find	Whole or partial strings starting from the beginning of a word.	
find chars	Partial strings anywhere within a word.	
find word	Whole words only.	
find whole	Whole or partial strings, including spaces, starting from the beginning of a word.	
find string	Partial strings anywhere, including spaces (ignores word boundaries).	
	End of Topic	
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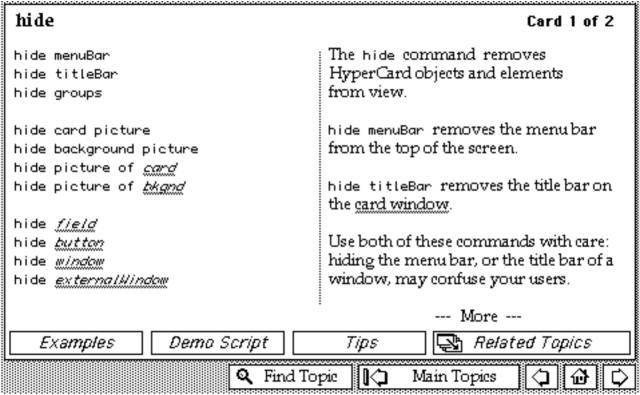
functionKey	Card 1 of 1
functionKey <i>pos/ntege</i> r	You can handle the functionKey message as follows:
Note: pas/nteger must yield a number	
between 1 and 15.	on functionKey whichKey
	<u>statements</u>
HyperCard sends the functionKey	end functionKey
command to the current card when the user presses one of the function	
keys on the Apple Extended Keyboard.	
Rejourate rippie Exercice rejoure.	
The functionKey command performs an	
undo, cut, copy, or paste for the values 1	
through 4. Integer values 5 through 15	
have no built-in effect.	Food of Tomic
	End of Topic
Examples Demo Script	77/08 📳 Related Topics
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go (contd)	Card 2 of 2
The in a new window option tells HyperCard to open a stack in another window when it goes to the stack.	If you don't use without dialog, the result is set to Cancel if the user clicks the "Where Is" dialog box's Cancel button.
The without dialog option tells HyperCard to go to another stack directly based on the search paths that are specified on the Search Paths card of the user's Home stack. If HyperCard can't find the stack, it places "No such stack" into the result.	Note: The options in a new window and without dialog take effect only if the go command explicitly specifies a stack other than the current stack.
	End of Topic
Examples Demo Script	Tips Related Topics
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help	Card 1 of 1
help	
The help command goes to the first card of the HyperCard Help stack.	You can handle the help message as follows:
HyperCard sends the help command to the current card when the user chooses Help from the Go menu (or presses #8-?).	on help <u>statements</u> end help
Note: The command go help is equivalent to go stack "help", while the help command tries to execute go stack "HyperCard Help".	
End of Topic	
Examples Demo Script	77/ps 📳 Related Topics
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hide (cont'd)	Card 2 of 2
The hide groups command removes the two-pixel gray underline displayed for all text that has the "group" text style. The underline appears only after a show groups command.	For buttons, fields, and windows, the hide command is equivalent to setting the visible property to false.
For graphics, the hide command removes the card or background picture from view. It's the same as setting the showPict property of the card or background to false.	If you hide the frontmost document window, the next document window becomes active. Hide does not remove an external window from the window list (from memory); use the close command to dispose of the window.
Examples Demo Script	End of Topic  Tips
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import paint	Card 1 of 1
import paint from file <u>fileName</u> The import paint command loads a Paint image to the current card from a file. Import paint only works when one of the <u>Paint tools</u> is chosen.	If import paint succeeds, HyperCard sets the function the result to empty; if the command fails (if, for example, you use import paint when the Browse tool is chosen), HyperCard sets the result to "Couldn't import paint."
This command has the same effect as the Import Paint menu item that appears in the File menu (when a Paint tool is chosen), except that it avoids the dialog box that prompts the user for a file name.	
	End of Topic
Examples Demo Script	77/28 🔁 Related Topics
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keyDown	Card 1 of 1
keyDown <u>char</u>	You can handle the keyDown message as follows:
The keyDown command simulates a key press from within a handler. It acts exactly as if the user pressed a character from the keyboard.	on keyDown theKey <u>statements</u> end keyDown
HyperCard sends the keyDown command to a field (if the insertion point is set) or to the current card when the user presses a key. The value passed to the parameter variable char corresponds to the key pressed.	Note: keyDown is not sent for characters typed using the type command.
	End of Topic
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lock	Card 1 of 1
lock (messages recent screen)	Lock screen has the same effect as setting
lock error dialogs	the property lockScreen to true: it prevents HyperCard from updating the
Lock messages has the same effect as set lockMessages to true: it prevents	screen.
HyperCard from sending open, close, suspend, and resume system messages along the message-passing path.	Lock error dialogs prevents error dialog boxes from appearing; instead, the message errorDialog errorNessage is
Lock recent has the same effect as set	sent to the current card.
lockRecent to true:itprevents	Locking is automatically unlocked at idle
HyperCard from keeping a visual record of cards visited by the user (or a handler) in the Recent Card dialog box.	time.
	End of Topic
Examples Demo Script	77ps 📳 Related Topics
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mark	Card 1 of 1
mark all cards	The mark command sets the marked
mark <u>cand</u>	property of the specified cards to true. You can operate on the set of marked
mark cards where <u>trueOnFalse</u>	cards with commands such as print, go,
mark cards by finding ¬	show, and sort.
[international] <u>text</u> [in <u>field</u> ]	
mark cards by finding chars ¬	Mark cards where evaluates the given
[international] <u>text</u> [in <u>f/e/d</u> ]	expression for every card in the stack. If
mark cards by finding word ¬	its value is true, the card is marked.
[international] <u>text</u> [in <u>f/e/d</u> ]	
mark cards by finding whole ¬	Mark cards by finding markscards
[international] <u>text</u> [in <u>f/e/d</u> ]	using the same mechanism as the find
mark cards by finding string ¬	command. It marks cards very quickly.
[international] <u>text</u> [in <u>field</u> ]	
	End of Topic
Examples Demo Script	Tips 🖳 Related Topics
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multiply	Card 1 of 1
multiply [ <u>chunk</u> of] <u>containe</u> r ¬ by <u>number</u>	The result is displayed in a field or the Message box according to the global property numberFormat.
where container or chunk must contain	
a number. (You can use the is a	
operator to see if the container is a	
number.)	
The multiply command multiplies the number in the container or chunk by muster and puts the result into the container or chunk. The result is calculated to a precision of up to 19 decimal places.	
	End of Topic
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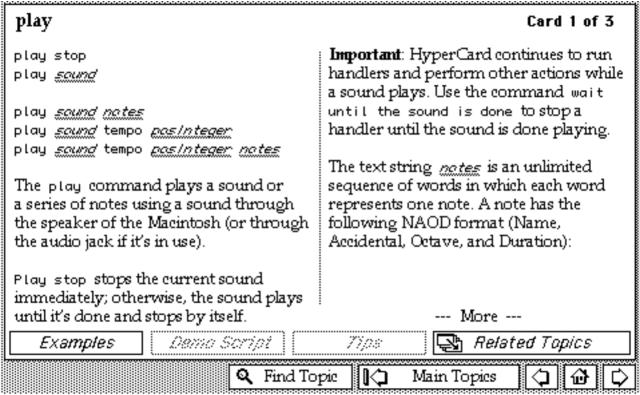
\* - \* \*

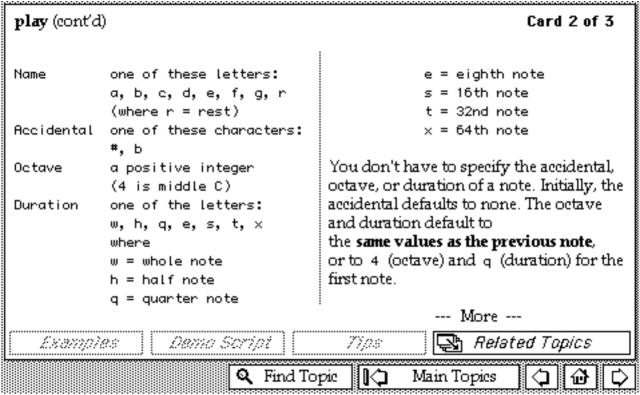
open		Card 1 of 1
open <i>application</i>	h application	If HyperCard can't find the document or application, it displays a directory dialog
open <i><u>f//e/Xame</u></i> wit	11 1441/21/2007	box and asks the user to find it.
· ·	id launches another	HyperCardalso sets the result to
	n or opens a document	!
with another applic		dialog box. Otherwise, it sets the result
1 62	nust provide the full	to empty.
., -	files if they're not at level as HyperCard.	If HyperCard has problems opening the
are sume our coory	icocius riypercuia.	specified application (for example, there's
Under the Finder is	n System 6, HyperCard	
	system message to the	
•1	turning over control	
to the application.		
		End of Topic
Examples	Demo Script	Tips 📳 Related Topics
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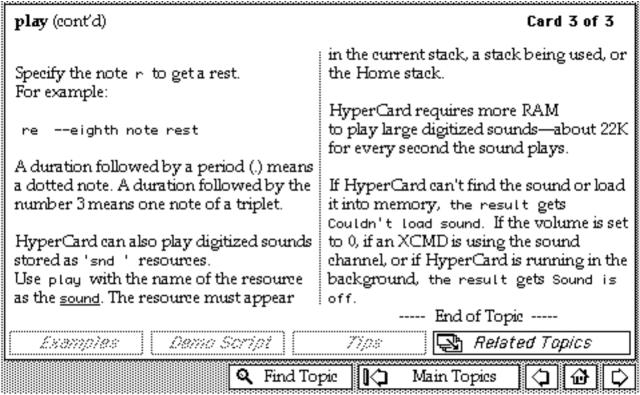
open file	Card 1 of 1
open file <i>fileName</i>	
The open file command opens the specified file so that you can read data from it and write to it. Usually, the file is	If HyperCard has problems opening the specified file, it sets the result as follows:
an ASCII text file opened to allow	Nonexistent file that can't be created:
importing or exporting text. If the file doesn't exist, HyperCard creates it.	Can't create that file.
	Existing file already open:
Use the close file command to close files after you've opened them.	File is already open.
• •	Other error opening file:
Note: You must provide the full path name of the file if it's not at the same	Can't open that file.
directory level as HyperCard.	End of Topic
Examples Demo Script	77/28 🔁 Related Topics
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open printing	Card 1 of 1
open printing [with dialog]	
The open printing command begins a print job. It uses the current settings from the Print Stack dialog box.	You must use the close printing command to end a print job begun with open printing.
If you specify the with dialog option, HyperCard displays the Print Stack dialog box, and the user can choose new settings. HyperCard sets the result to Cancel if the user clicks Cancel; otherwise, it sets the result to empty.	
	End of Topic
Examples Demo Script	77/28 🔁 Related Topics
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open report printing	Card 1 of 1
open report printing	If you specify the with dialog option,
open report printing with dialog	HyperCard displays the Print Report
open report printing ¬	dialog box and the user can choose new
with template <i>text</i>	settings. If you specify the with template
	option, HyperCard prints the stack with
where text is the name of a report	the named report template.
template in the current stack.	
	HyperCard sets the function the result
The open report printing command	to Concel if the user clicks Cancel in the
begins the process of printing a stack	dialogbox, to no such report template
(or part of a stack) as a report. It uses the	if you specify a template that doesn't
current settings from the Print Report	exist, or to empty in all other cases.
dialog box. You must use the close	
printing command to end a job begun	Find of Toxia
with open report printing.	End of Topic
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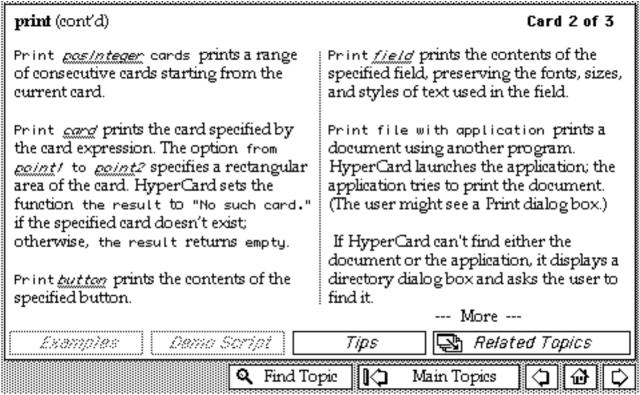






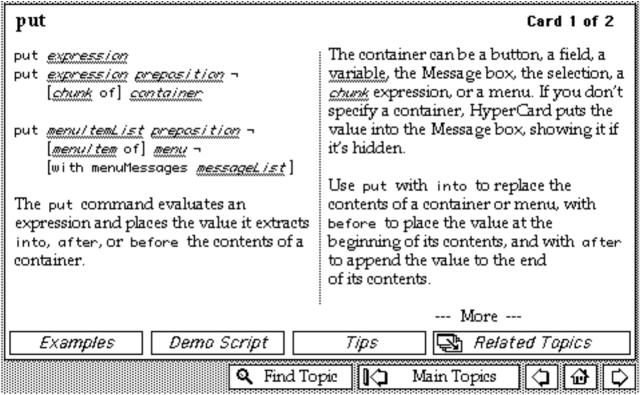
pop	Card 1 of 1
pop card pop card { into   after   before } ¬ [chunk of] container  The pop card command retrieves the identification (full card ID and stack path name) of a card previously saved with the push card command.  If you don't provide a container to hold the card information, pop goes directly to	If you do specify a container, pop puts the card's identification into the container, and you don't go anywhere. You can then check the card ID or stack to decide whether you want to return to that card.
the popped card.	End of Topic
Examples Demo Script	77/28 🛂 Related Topics
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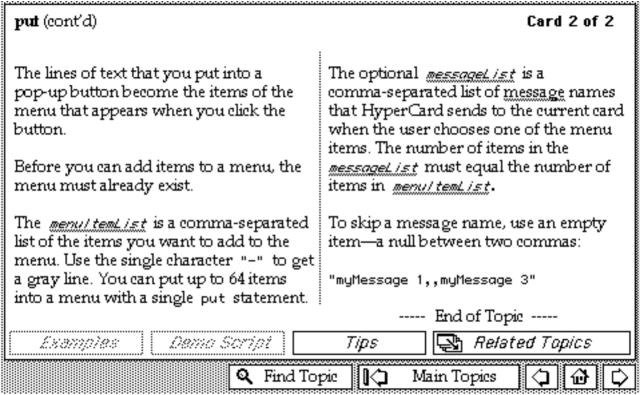
print	Card 1 of 3
print card [from <u>paint</u> / to <u>paint</u> 2]	Print card prints an image of the
print all cards	current card. The option from <u>eqint</u> / to
print marked cards	<u>ecint</u> 2 specifies a rectangular area
print <i>pas/ntege</i> r cards	of the card.
print <u>card</u> [from <u>pcint</u> / to <u>pcint</u> /]	
	Print all cards prints the image
print { <u>field</u>   <u>button</u> }	of every card in the stack.
print fileName with application	Database and and animate a subsect
print <u>expression</u>	Print marked cards prints a subset of the cards in the stack based on each
The print command prints card images,	card's marked property (as reflected in its
the contents of fields and buttons.	Card Info dialog box). You can mark
documents from other programs, or the	cards with the mark command.
value of any HyperTalk expression.	
	More
Examples Demo Script	Tips 🖳 Related Topics
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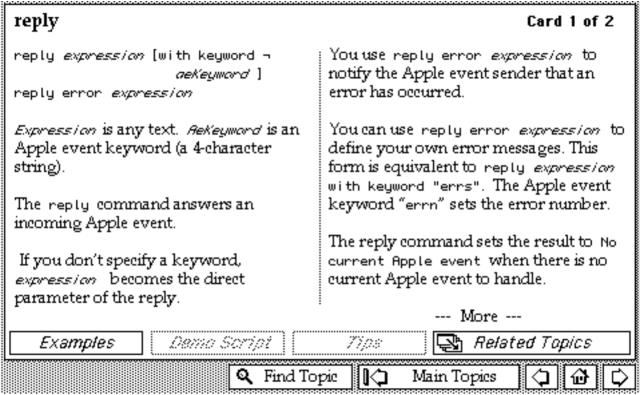
print (cont'd)	Card 3 of 3
HyperCard also sets the result to Cancel if the user clicks Cancel in the dialog box. Otherwise, it sets the result to empty.	Finally, print <u>expression</u> prints the value of any HyperTalk expression. You can print the values of local and global variables, fields, <u>chunk</u> expressions, the current selection, the
If HyperCard has problems opening the application (for example, there's not enough memory), it sets the result to	contents of the Message box, and the result of any function or property.
"Couldn't open that application."	Expressions are printed using the settings in printMargins, printTextAlign,
After printing, the application program quits, and control returns to HyperCard.	printTextFont, printTextSize, printTextHeight, and printTextStyle.
	End of Topic
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push	Card 1 of 1
push card	Each call to push saves a card ID in
push <u>cand</u> [of <u>stack</u> ]	last-in, first-out order. You can return to
push <u>bkand</u> [of <u>stack</u> ]	saved locations using the pop command.
push <u>stack</u> The push command saves the identification of a card in HyperCard's memory. If you specify a background or	Note: The word stack that forms part of the stack identifier <u>stack</u> is optional with the push command.
stack, HyperCard stores the location of	There is a limit of twenty pushes.
the <b>first</b> card of the background or stack. In all cases, HyperCard saves the full card ID and the path name for the stack.	If you pop more than you push, you go to the Home stack.
	End of Topic
Examples Demo Script	77/28 🔁 Related Topics
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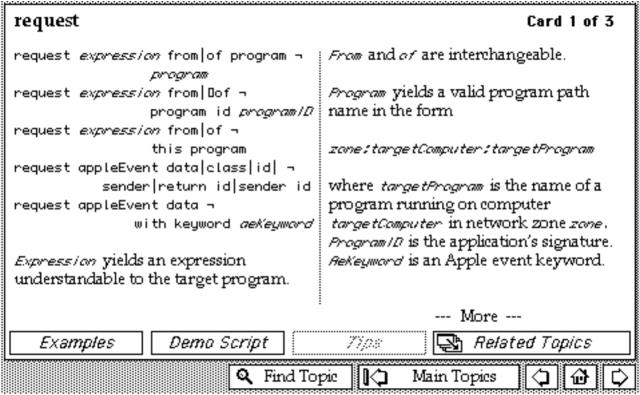


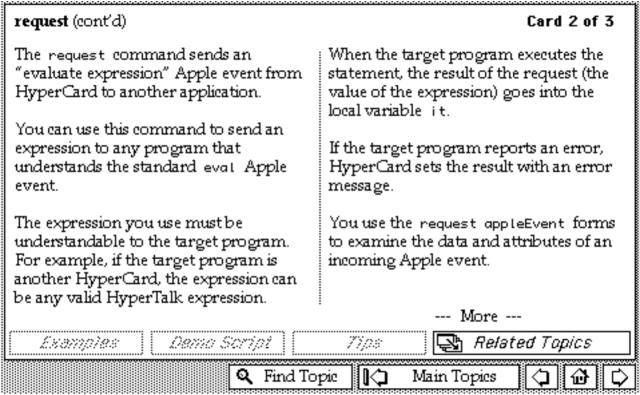


read	Card 1 of 1
read from file <u>f//eMame</u> [at [-] ¬ <u>/nteger</u> ] {for <u>pos/nteger</u>  until <u>char</u> }	the file. Subsequent reads continue from the last point read.
The read command reads data from a file. (You must have already opened the file with the open file command.) Read places the data into the local variable it.	Read continues until it has read the specified number of characters or it reaches the named ASCII character (which can be specified as a constant: colon, comma, end, eof, formfeed, quote,
Reading of a newly opened file starts from the beginning of the file, or	return, space, Or tab).
optionally at character <u>integer</u> . If you use the form at - <u>integer</u> reading starts at <u>integer</u> characters from the end of	All characters count as data, including return characters at the end of lines, spaces, and tab characters.
	End of Topic
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reply (cont'd)	Card 2 of 2
Use repty only if you're handling Apple events yourself. If HyperCard handles an Apple event, it will provide the appropriate information in the reply.	
See the documentation for the sending program to know which repty keywords it expects. (errs and errn are standard keywords.)	
In AppleScript, you may need to reply with both an error string and an error number to trigger an error clause.	
	End of Topic
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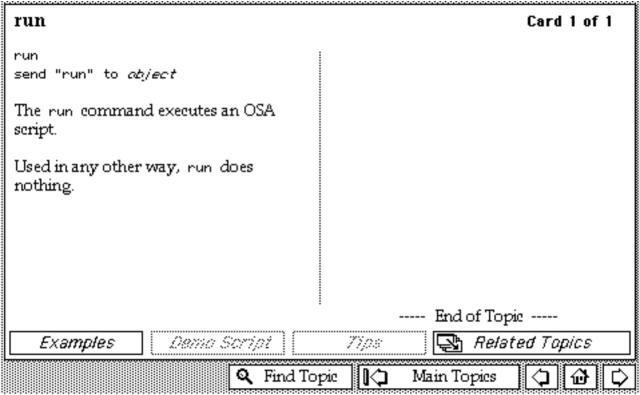


request (cont'd)	Card 3 of 3
You can omit the zone parameter from the program path name when the target computer is in the same zone as the source computer.	
You can omit the targetComputer parameter if the target program is running on the same computer as HyperCard.	
You can pass the user selection from the answer program command as the <i>program</i> parameter.	
	End of Topic
Examples Demo Script	77/28 🔁 Related Topics
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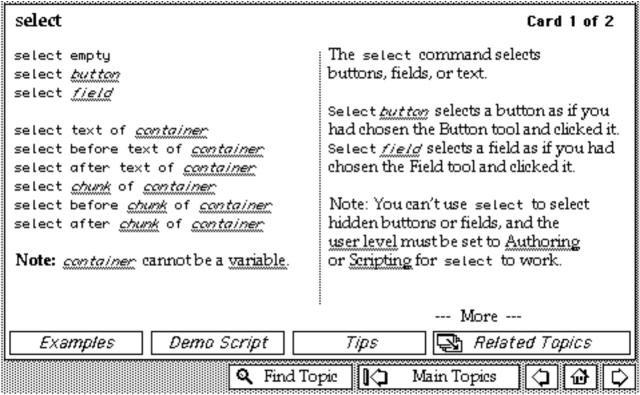
reset	Card 1 of 1
reset menuBar reset printing reset paint	Reset paint reinstates the default values for all the painting properties, as follows:
Reset menuBar restores the menubar to HyperCard's standard menus. Reset printing restores the default values for the printing properties, as follows:	brush: 8 textAlign: left centered: false textFont: Geneva filled: false textHeight: 16 grid: false textSize: 12 lineSize: 1 textStyle: plain
printMargins: 0,0,0,0 printTextAlign: left	multiple: false multiSpace: 1
printTextFont: Geneva printTextHeight:13 printTextSize: 10	pattern: 12 polySides: 4
printTextStyle: plain <i>Examples Demo Script</i>	End of Topic 770: Related Topics
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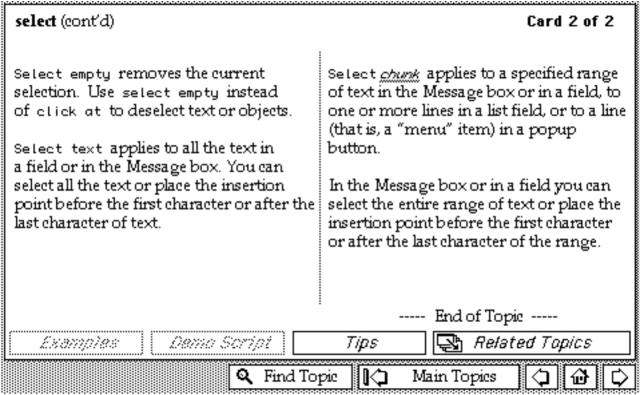
returnInField	Card 1 of 1
returnInField	HyperCard automatically sends the returnInField command to a field when
The returnInField command places a return character at the position of the insertion point in a field.	the user presses Return and the insertion point is in the field.
-	You can handle the return in Field
If the autoTab property of the field is true and the insertion point is on the last	message as follows:
line of the field and the field is any type except scrolling, the returnInField	on returnInField <i>statements</i>
command does not insert a return	end returnInField
character but instead sends the tobKey command to the field.	
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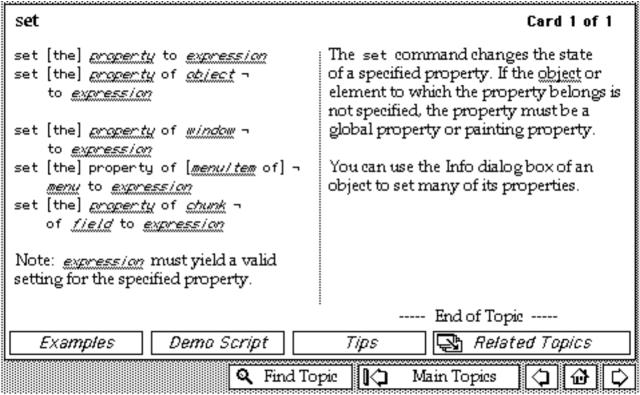
returnKey	Card 1 of 1
returnKey	You can handle the returnKey message as follows:
The returnKey command sends a statement typed into the Message box to the current card.	on returnKey <u>statements</u>
HyperCard sends the returnKey command to the current card when the	end returnKey
user presses the Return key unless the insertion point is in a field, in which case HyperCard sends returnInField instead.	
nistead.	
	End of Topic
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save	Card 1 of 1
save [this] stack as [stack] //e/kame save stack //e/kame = as [stack] //e/kame  The save command saves a copy of a stack. It's the same as choosing Save A Copy from the File menu, but it doesn't display a directory dialog box. Use save when you don't want a dialog box to interrupt a handler.	If the specified stack already exists, HyperCard sets the value of the result to "Couldn't duplicate stack." You can test whether HyperCard saved the stack successfully as follows:  save this stack as "My Copy" if the result is not empty then
The form save [this] stack saves a copy of the current stack.	End of Topic
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show	Card 1 of 2
show menuBar	:show <i>window</i> [at <u>point</u> ]
show titleBar	show <i>externalWindow</i> [at <i>point</i> ]
show groups	
	The show command displays HyperCard
show all cards	objects and elements.
show marked cards	
show <i>pas/nteger</i> cards	Show menuBar displays the menubar
	at the top of the screen (unless the screen
show card picture	islocked). Show titleBar
show background picture	displays the title bar on the card window
show picture of <u>card</u>	if it's been hidden. (Normally, the title bar
show picture of <i>tkgnd</i>	is visible.)
show <i>field</i> [at <i>point</i> ]	1.
show <u>button</u> [at <u>point</u> ]	More
Examples Demo Script	Tips 🔁 Related Topics
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show (cont'd)	Card 2 of 2
Show groups displays a two-pixel gray underline for all text that has the group text style. (By default, the group text style is invisible.) The underline appears for grouped text in every field (in all stacks). Use the hide groups command to remove the underline.	The other forms of the show command display the card or background picture, a window, or an object at a specified location on the screen. If the point is not given, the window or object is displayed at its previous location.
The show card forms display the specified cards in the current stack in turn, beginning with the next card or the next marked card.	Showing a window makes it the frontmost window. With external windows, an external command or external function must first create a window before show will work on it.  Show does <b>not</b> create windows.
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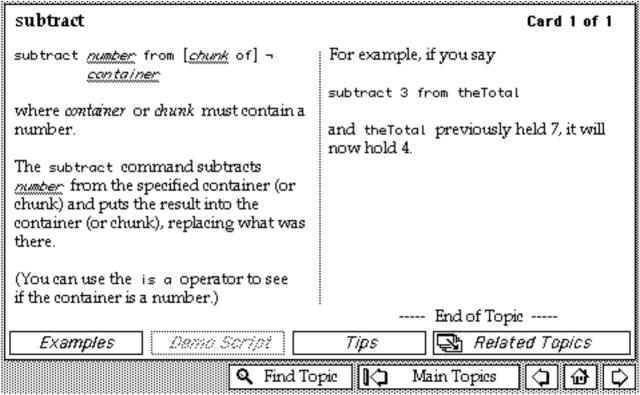
sort	Card 1 of 3
sort [sartDirection] [sartStyle] ¬  by expression  sort [this] stack [sartDirection] ¬  [sartStyle] by expression  sort [marked] cards [of this stack] ¬  [sartDirection] [sartStyle]¬	sort [chunks of] container ¬ [sortDirection] [sortStule] ¬ [by expression]  where chunks are limited to either lines or items. (See next card for details.)
by <u>expression</u> sort <u>tkand</u> [ <u>sortDirection</u> ] ¬  [ <u>sortStyle</u> ] by <u>expression</u> sort [marked] cards of <u>tkand</u> ¬  [ <u>sortDirection</u> ] [ <u>sortStyle</u> ]¬  by <u>expression</u>	The first five forms of the sort command order all the cards in a stack or background by the value of expression, evaluated for each card in the stack or background.
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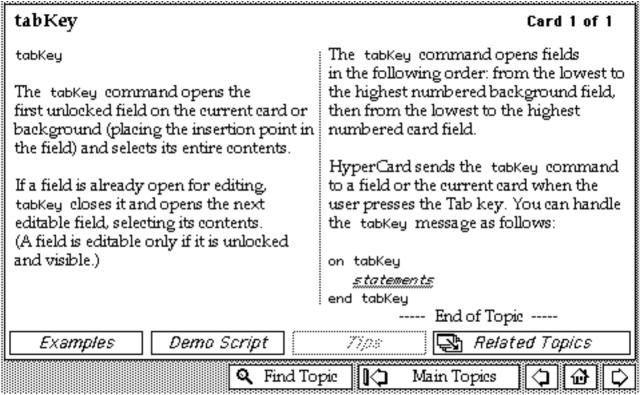
sort (cont'd)	Card 2 of 3
The last form of the sort command (by <u>expression</u> ) sorts lines or items of a container by any expression. If you don't specify, sort orders by lines. Before <u>expression</u> is evaluated for each line or item of the container, the local variable	Sort direction ascending orders the sort elements—the value of the expression on each card or the lines or items in the container—from lower to higher values.
each is set to the contents of the chunk. (⊂lick the Examples button to see syntax examples using each.)	Sort direction descending orders the sort elements from higher to lower values.
	Sort style text compares the sort
For all forms of the sort command,	elements based on their ASCII values:
the default sort direction is ascending, and the default sort style is text.	"1" < "101" < "2" < "a" < "ab" < "b"
	More
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sort (cont'd)	Card 3 of 3
Note that neither case nor diacritical marks matter with the sort style text:	The sort style dateTime orders the sort elements by their date or time format.  (See the convert command for valid date
"apple" = "APPLE" = "äpplé"	and time formats.)
Sort style numeric correctly sorts numbers. With sort style text,	The sort style international correctly sorts non-English text containing diacritical marks and special characters
"1" < "100" < "17" < "2"	based on the international resource installed in the the current stack, the
The sort style numeric correctly sorts these values as:	Home stack, HyperCard itself, or the System file.
"1" < "2" < "17" < "100"	
	End of Topic
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start using	Card 1 of 1
start using <u>stack</u>	HyperCard records the full path name of the stacks being used as lines in the
The start using command inserts the specified stack into the message-passing order between the current stack and the	global property the stacksInUse. You can add up to 16 stacks.
Home stack (or between the current stack and any other stacks being used).	The first stack in use is on line 1 of the stacks InUse, the second stack is on line 2 of the stacks InUse, and so on. The order
Handlers in the stack script of the newly inserted stack can intercept messages as	of items in the StacksInUse determines the message-passing order:
the messages move through the message-passing order.	from the current stack to line 1 of the Stacks InUse, to line 2, and so on, to the Home stack.
	End of Topic
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stop using	Card 1 of 1
stop using <u>stack</u>	
The stop using command removes a stack from the message-passing order. Handlers in the stack script of the removed stack will no longer be available for use to the current stack.	
	: End of Topic
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type	Card 1 of 1
type <u>text</u>	To perform a menu command,
type <i>text</i> with commandKey	use the form type <u>text</u> with commandKey. For example, if you have a
The type command acts exactly as if the user had typed <u>text</u> from the keyboard.	graphic on the Clipboard, you can paste it with the command
The text appears in the Message box when it's visible (or also when it's hidden	type "V" with commandKey
if blindTyping is set to true).	
To type text into a field or to add paint	
text, a handler must first set the insertion point (using either the select or click	
at command).	F. J. CT
	End of Topic
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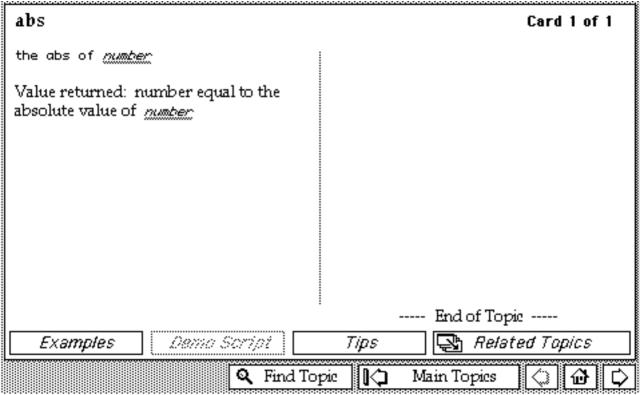
unlock	Card 1 of 1
unlock (screen messages recent)	actions on the card, and then unlock the
unlock error dialogs	screen with a visual effect.
unlock screen with <i>effect</i> [ <i>speed</i> ] ¬ [to <i>image</i> ]	Unlock messages lets open, close,
unlock screen with visual [effect] ¬	suspend, and resume messages traverse
effect [speed] [to image]	the message-passing path.
Unlock screen lets HyperCard update	Unlock recent lets HyperCard keep a
the screen after a lock screen	visual record of visited cards in the Recent
command. (Click the placeholders <u>effect, speed,</u> and <u>image</u> to see their	Cards dialog box.
possible replacements.)	Unlock error dialogs lets HyperCard
•	show error dialog boxes when an error
Optionally, you can add a single visual	occurs.
effect. You can lock the screen, perform	End of Topic
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unmark	Card 1 of 1
unmark all cards unmark <u>card</u> unmark cards where <u>trueΩnFa/se</u>	The unmark command sets the marked property of the specified cards to false. Use it to deselect sets of cards that you have marked.
unmark cards by finding ¬  [chars word whole string]¬  [international] ¬  text[in field][of marked cards]	Unmark cards where visits each card in the stack and evaluates the expression. If its value is true, HyperCard unmarks the card. Unmark cards by finding unmarks cards using the same mechanism as the find command.
Examples Demo Script	It unmarks cards very quickly.  End of Topic  Tips
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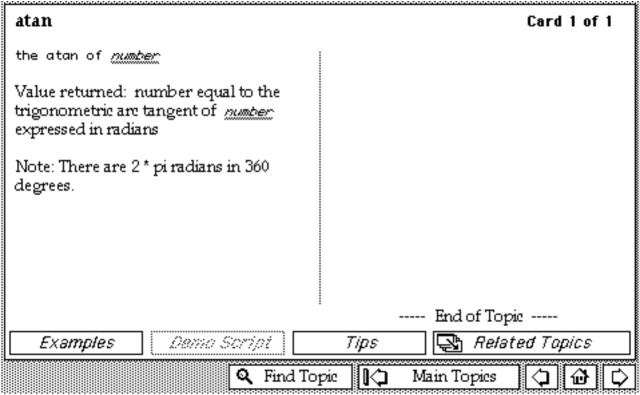
visual	Card 1 of 1
visual [effect] <u>effect</u> [ <u>speed</u> ] ¬ [to <u>image</u> ]  The visual command specifies a visual	The to <u>image</u> option changes the screen to white, gray, black, inverse, or the image of the destination card before applying the visual effect.
effect for HyperCard to use as it moves from one card to another. (Click the placeholders <i>effect</i> , <i>speed</i> , and <i>image</i> to see their possible replacements.)	HyperCard uses the visual effect plain as its default effect. The default image is card.
Visual must be followed by a go command to have any effect.	Note: Only the effects push, scroll, shrink, stretch, and zoom work with
The optional <u>speed</u> parameter tells HyperCard to perform the visual effect faster or slower than normal.	the command go this card.
	End of Topic
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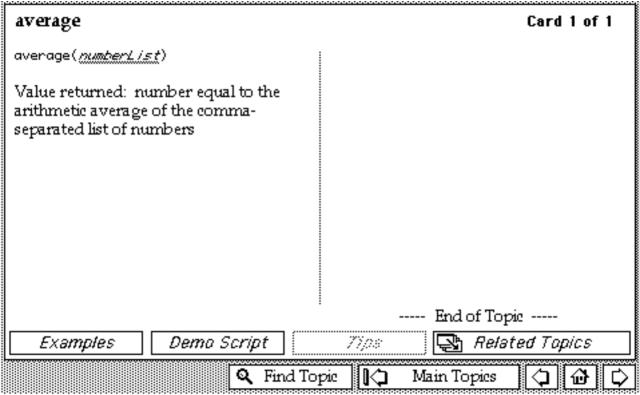
wait	Card 1 of 1
wait [for] <u>pos/nteger</u> [ticks] wait [for] <u>pos/nteger</u> seconds wait until <u>trueOrFa/se</u> wait while <u>trueOrFa/se</u>	If you do not specify seconds as the unit of time, HyperCard uses ticks. (One tick equals one-sixtieth of a second.)
The wait command causes HyperCard to pause before executing the rest of a handler, either for a specific length of time, until a specified condition becomes true, or while a specified condition remains true.	
	: End of Topic
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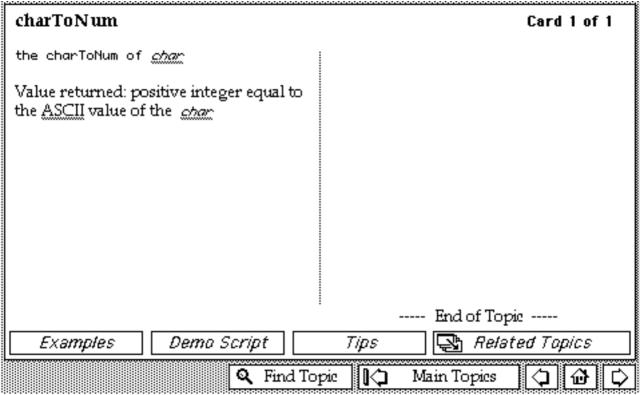
write	Card 1 of 1
write <u>fext</u> to file <u>f//eName</u> ¬ [at { eof end [-] <i>/nteger</i> ]}	The - <u>integer</u> option begins writing at integer characters from the file's end.
The write command copies text to a file. You must have already opened the file with the open file command, and you	<b>Warning:</b> HyperCard <b>does not ask</b> if you want to write over existing text.
should close it when writing is completed with the close file command.	Subsequent write commands append text to the file's contents after the last character written until you close the file.
The first write command after opening a file begins at the start of a file unless you use the at <u>integer</u> option, with <u>integer</u>	Note: You must provide the full path name of the file if it's not at the same
as the character position within the file where writing is to begin.	directory level as HyperCard.
	End of Topic
Examples Demo Script	77/28 🖳 Related Topics
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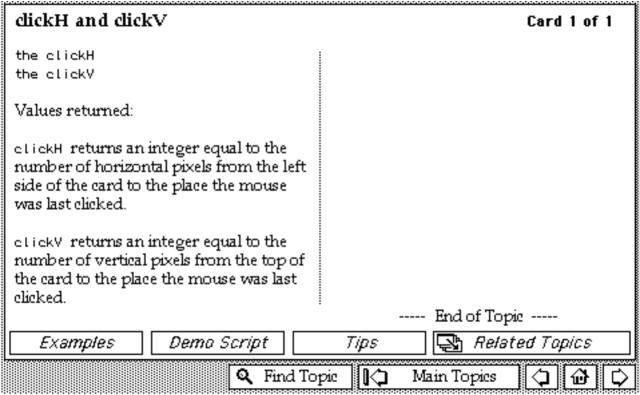
annuity	Card 1 of 1
annuity( <i>number1, number2</i> )	An interest rate involves a certain percentage (expressed as a decimal) per
where <u>number</u> / represents the	some unit of time—usually per year. You
interest rate (expressed as a decimal)	must use the same unit of time to
and <u>number</u> 2 represents the number	measure the number of periods.
of <b>periods</b> over which you receive	_
annuity payments.	For example, if you have a yearly
37-1t	percentage rate but your annuity pays
Value returned: the total cost of an annuity now that will pay you one unit	you monthly, use nate / 12, and be sure to express the number of periods as
per period over the specified number of	months (2 years = 24 months).
periods, or a number equal to	monas (2 years – 24 monas).
(1 - (1 + rate) ^ -periods) / rate	
, , , , , , , , , , , , , , , , , , ,	
	End of Topic
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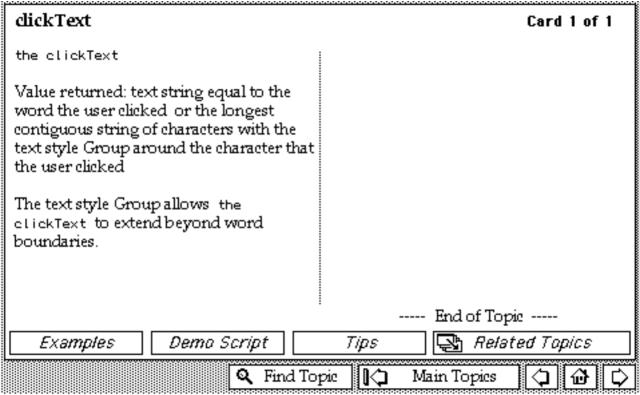


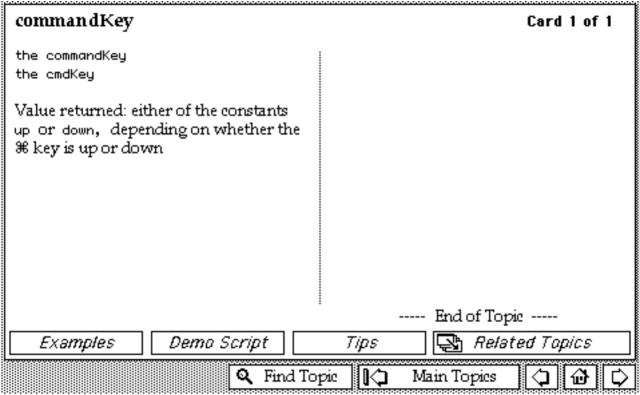
dickChunk	Card 1 of 1
the clickChunk	The chunk expression returned has the
Value returned: character chunk expression equal to the word the user	following form:
expression equal to the word the user clicked or the longest range of characters with the text style Group around the character that the user clicked (if the text has been grouped)	char <u>pos/nteger</u> to <u>pos/nteger</u> ¬ of <u>container</u>
The text style Group allows the clickChunk to extend beyond word boundaries.	
	End of Topic
Examples Demo Script	Tips 📳 Related Topics
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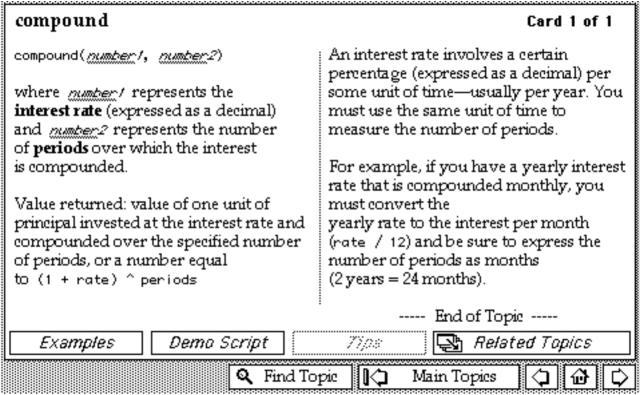


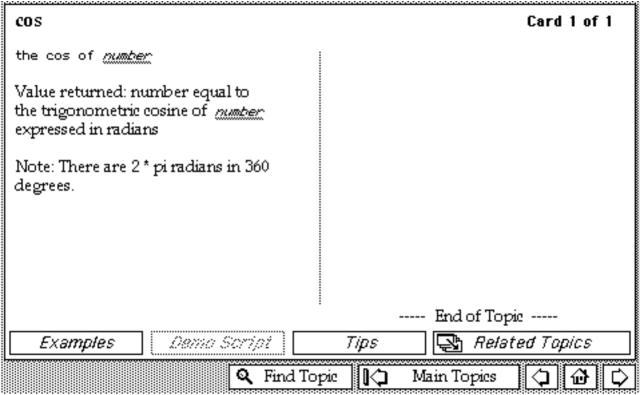
dickLine	Card 1 of 1
the clickLine	The chunk expression returned has the following form:
Value returned: line chunk expression equal to the line that the user clicked or, if the text has been grouped, the first line of the longest range of lines with the text style Group around the character that the user clicked	J
The text style Group allows the clickLine to extend beyond one line.	
	End of Topic
Examples Demo Script	Tips Related Topics
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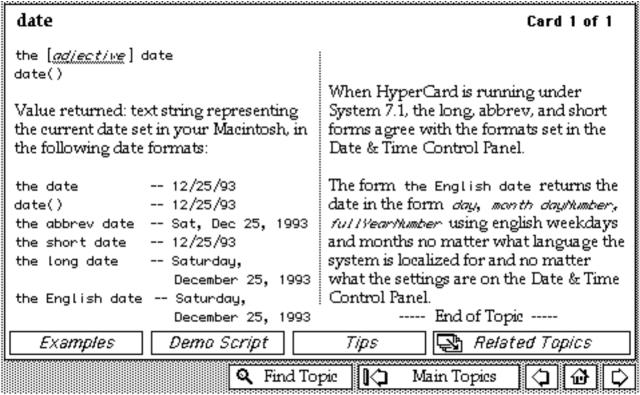
dickLoc	Card 1 of 1
the clickLoc	
Value returned: <u>point</u> equal to the place on the screen where the user most recently clicked relative to the top left corner of the current card	
HyperCard does <b>not</b> reset the clickLoc at idle, nor does it reset when a handler is running, unless you use the wait command:	
wait until the mouseClick	
	End of Topic
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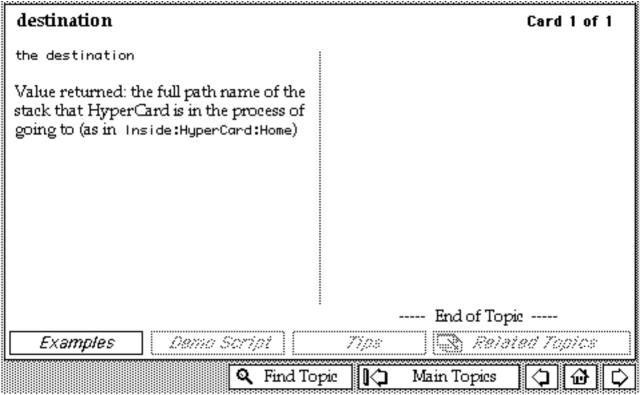


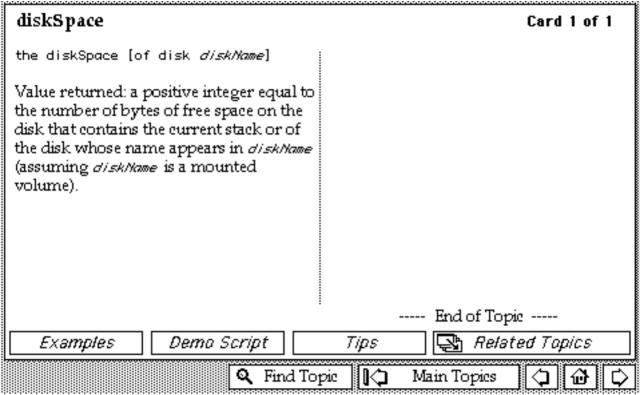


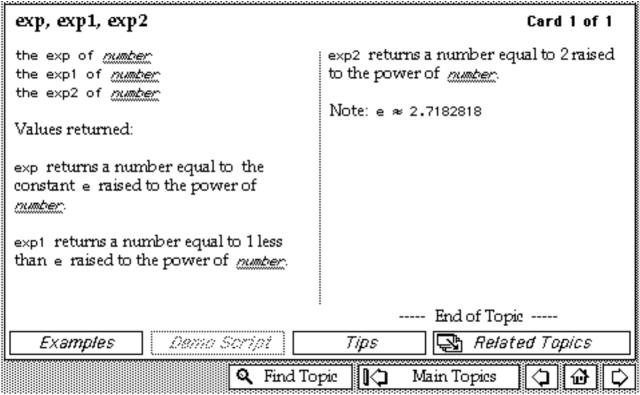




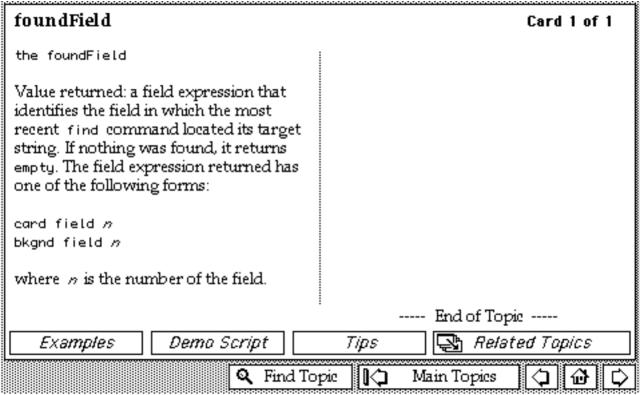




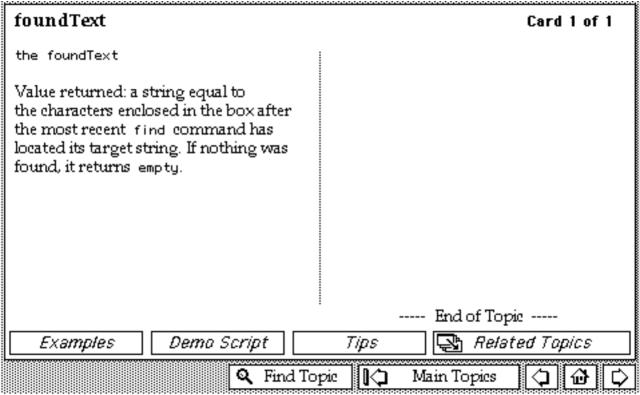




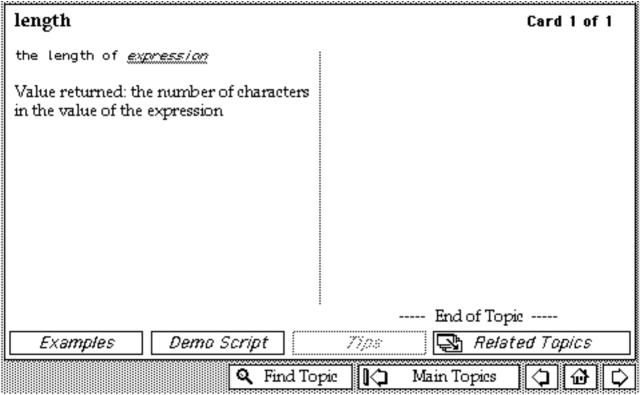
foundChunk	Card 1 of 1
the foundChunk	
Value returned: a character chunk expression that indicates where the most recent find command located its target string. If nothing was found, it returns empty. The chunk expression returned has the following form:  char pas/nteger to pas/nteger = of cantainer	
	: End of Topic
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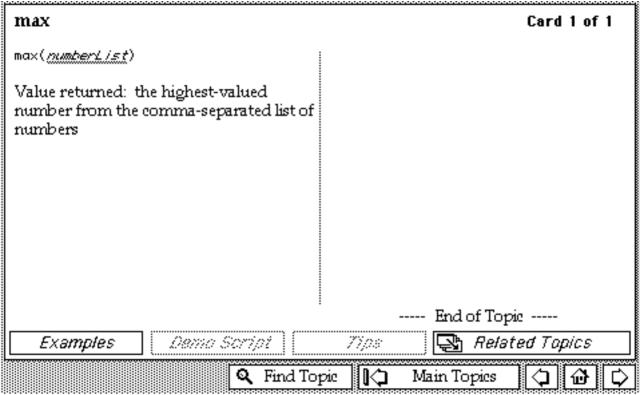
foundLine	Card 1 of 1
the foundLine	where / is the line number and // is the number of the field.
Value returned: a line expression equal to the line of a field where the most recent find command located its target string. If nothing was found, it returns empty.  The line expression has the following form:	Note: A return character determines a line, not the line wrap. A line that wraps and is displayed as two lines is treated as one line by HyperTalk.
line / of card field //	
line / of bkgnd field //	
	End of Topic
Examples Demo Script	Tips 🖳 Related Topics
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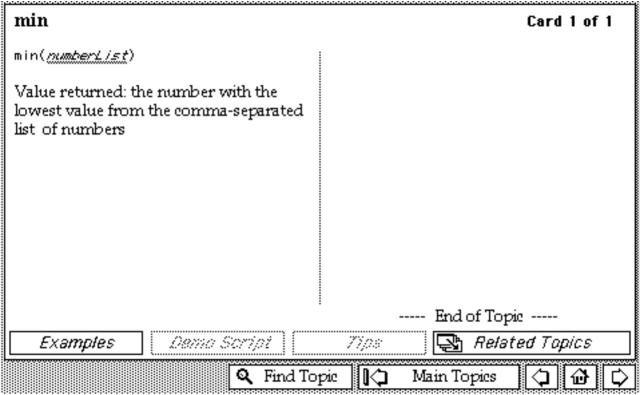
heapSpace	Card 1 of 1
the heapSpace	77
Value returned: a number equal to the amount of working memory HyperCard has left (the number of bytes remaining in HyperCard's application heap)	The available memory determines whether the user can use the Paint tools, whether HyperCard can open a stack in a new window, and other performance-related factors.
The memory that HyperCard can use is divided into two parts—the heap and the stack. StockSpoce returns the amount of memory that's available in the stack portion. HeopSpoce returns the amount available in the heap portion.	
	End of Topic
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ln, ln1, log2	Card 1 of 1
the In of <i>number</i> the In1 of <i>number</i> the log2 of <i>number</i>	
Values returned:	
In returns a number equal to the base-e or natural logarithm of <u>number</u> .	
Interesting a number equal to the natural logarithm of 1 + number.	
In2 returns a number equal to the base-2 logarithm of <u>number</u> .	F., 1 - 6 T
	End of Topic
Examples Demo Script	Tips 📳 Related Topics
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menus	Card 1 of 1
the menus	
Value returned: a return-separated list of the names of the menus in the current menu bar	
If HyperCard is running under System 7, the list includes the System 7 menus (such as System Help and Application).	
Note: The string Apple is a synonym for the #menu.	
·	End of Topic
Examples Demo Script	Tips 🖳 Related Topics
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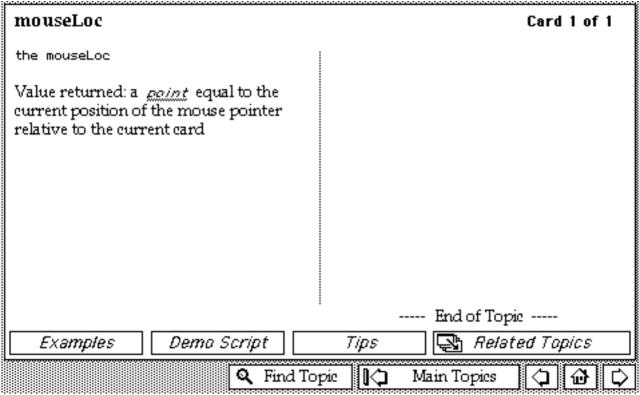


mouse	Card 1 of 1
the mouse	
Value returned: one of the constants up or down indicating whether the mouse button is up or down	
Note: Use the mouse to return the current state of the mouse button and the mouseClick to return whether the mouse has been clicked in the current handler.	
	End of Topic
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mouseClick	Card 1 of 1
the mouseClick	
Value returned: the constant true if the mouse has been clicked sometime during the running of the current handler, or false if it hasn't.  If the mouse button is down, the mouseClick waits until the mouse button is up before returning true.	Note: Use the mouse to return the current state of the mouse button and the mouseClick to return whether the mouse has been clicked in the current handler.
	End of Topic
Examples Demo Script	Tips 🖳 Related Topics
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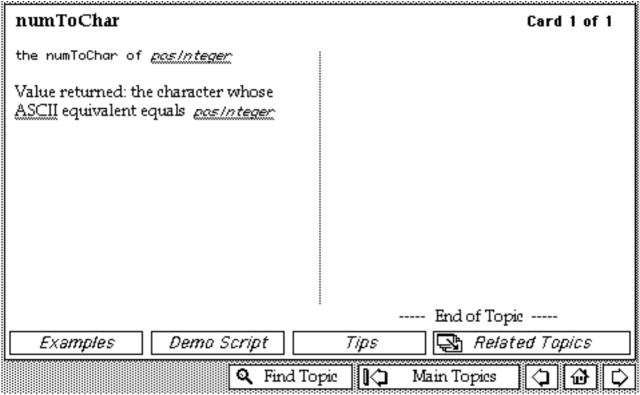
mouseH and mouseV	Card 1 of 1
the mouseH the mouseV	
Values returned:	
mouseH returns an integer equal to the number of pixels from the left of the card to the current location of the mouse pointer.	
mouseV returns an integer equal to the number of pixels from the top of the card to the current location of the mouse pointer.	
	End of Topic
Examples Demo Script Ti	ips 📳 Related Topics
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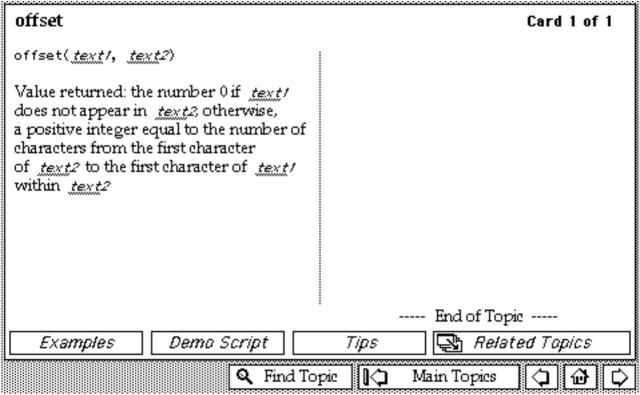
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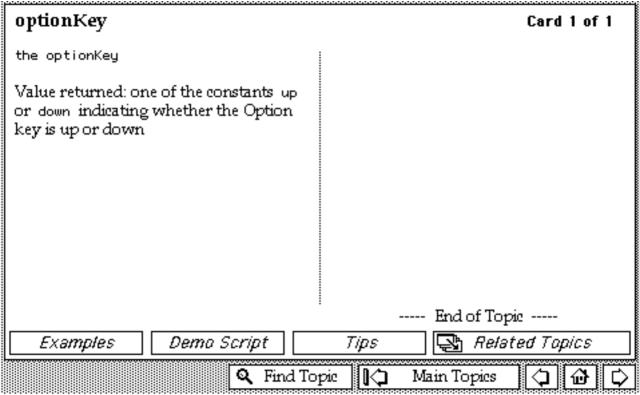


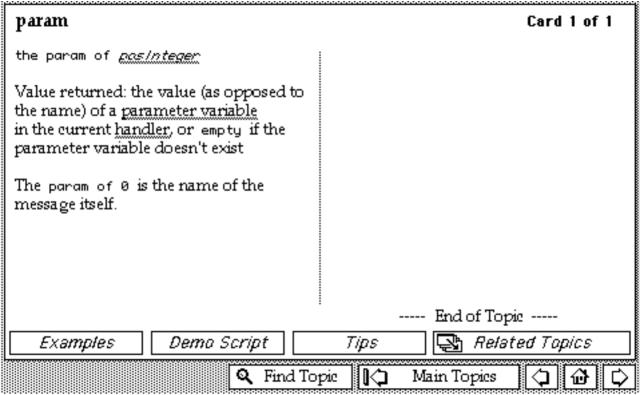
number	Card 1 of 2
the number of [card] {buttons parts}	Values returned: A non-negative integer
the number of bkgnd (buttons parts)	equal to one of the following:
the number of card fields	
the number of [bkgnd] fields	total number of buttons <u>or</u> fields     on the current card or background
the number of marked cards	
the number of cards [in <i>tokand</i> ]¬	• total number of parts (buttons <u>and</u>
[of this stack]	fields combined) on the current card
the number of bkgnds[of this stack]	or background
the number of windows	• total number of marked cards,
the number of menus	cards in a specific background,
the number of menultems of <i>menu</i>	cards in an entire stack, or
the number of <u>chunks</u> in <u>expression</u>	backgrounds in a stack
	More
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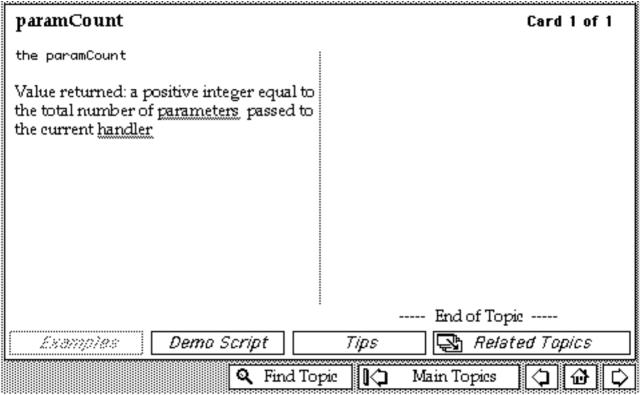
number (cont'd)	Card 2 of 2
number of all the windows     (including built-in palettes and     external windows) in HyperCard	
number of menus in the menu bar or the number of menu items in a specified menu	
total number of characters,     words, items, or lines in the value     of any HyperTalk expression (treated     as text)	
	End of Topic
Examples Demo Script	Tips 🖳 Related Topics
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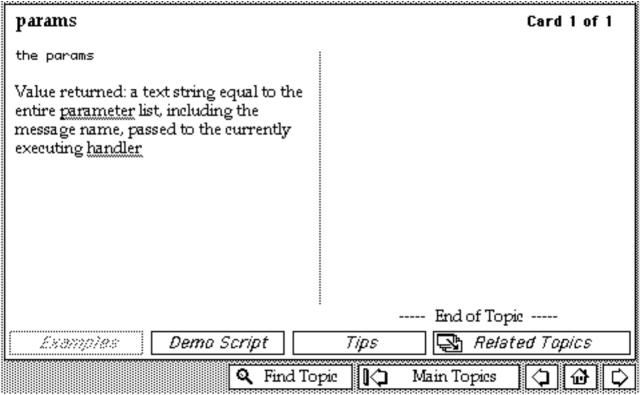




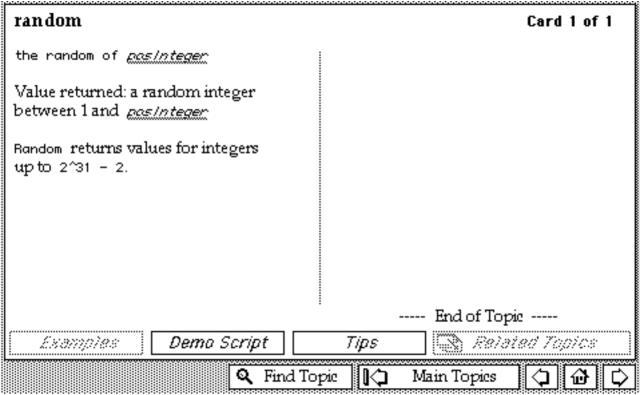








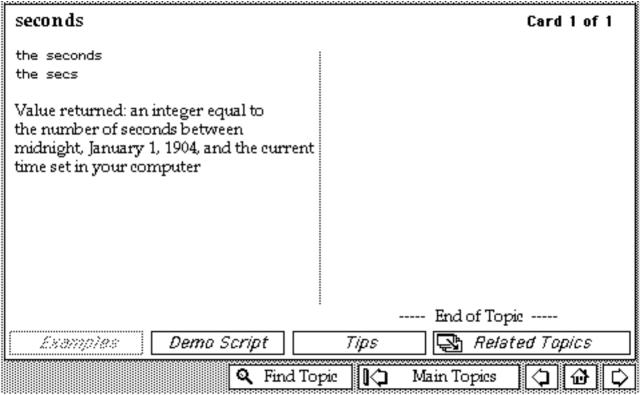
programs	Card 1 of 1
the programs [of machine "zone://ac"]	
Value returned: a return-delimited list of applications currently running on the same machine as HyperCard	
If you use the optional form of machine "zone://nc", you get a list of Apple event-aware programs running on a remote machine.	
This function requires System 7 to work. (See Demo Script.)	
	End of Topic
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result	Card 1 of 1
the result	In handlers, it's usually best to test a
Values returned:  • the value set by a return keyword during the execution of a message  • empty if most commands succeed; otherwise, a message string	if the result is not empty then  That way, the handler doesn't rely on the specific value of a string.  Click Related Topics for more information about the value returned by the result for each command.
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round	Card 1 of 1
the round of <u>number</u>	
Value returned: the integer nearest to	
Odd integers plus exactly 0.5 round up; even integers (or 0) plus exactly 0.5 round down.	
If <u>number</u> is negative, HyperCard internally removes the negative sign, rounds its absolute value, then puts the negative sign back on.	
	End of Topic
Examples Demo Script	Tips Related Topics
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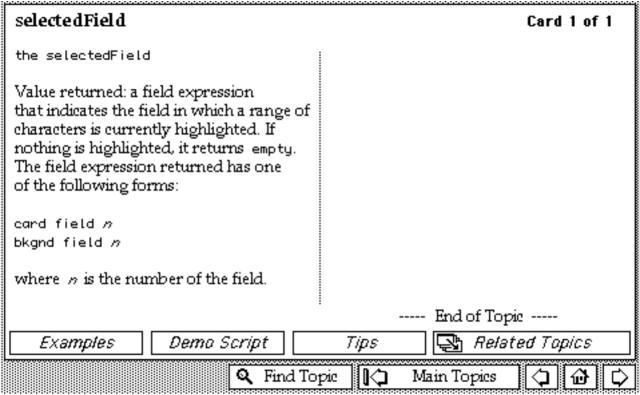
screenRect	Card 1 of 1
the screenRect	If the card window appears on more than one monitor, the screenRect returns
Value returned: a <u>rectangle</u> equal to the dimensions of the screen in pixels	the dimensions of the screen that shows the most area from the card window.
If there's more than one monitor, the screenRect returns the dimensions of the monitor displaying the current stack as offsets from the top-left corner of the screen that contains the menu bar.	
	End of Topic
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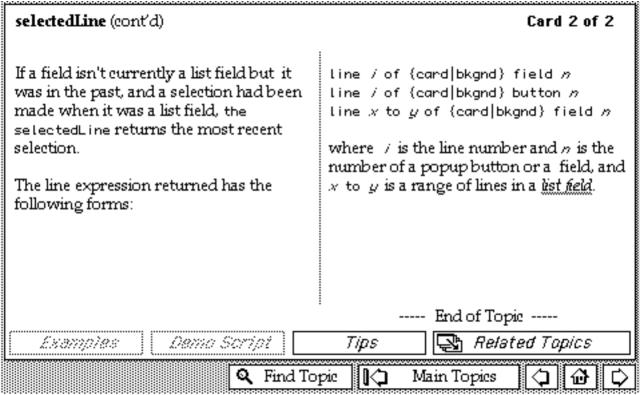
selectedButton	Card 1 of 1
the selectedButton of ¬ [background   card] family <i>intExp</i> r	If no button in the specified family is highlighted, selectedButton returns empty.
Value returned: the domain and number	
(for example, card button 3) of the highlighted button in the specified button family on the current card or background	If the specified family doesn't exist, you get an error dialog box.
If you don't specify card (or cd) or background (or bg or bkgnd), the family is assumed to be on the card layer.	
	End of Topic
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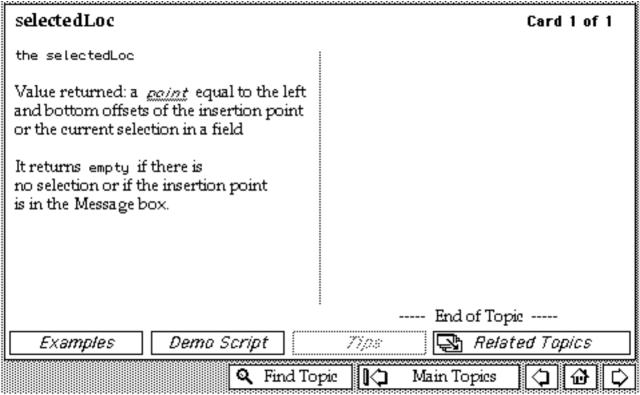
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selectedChunk	Card 1 of 1
the selectedChunk	
Value returned: a character chunk expression that indicates the range of characters currently highlighted	
If nothing is highlighted, the selectedChunk returns empty. The chunk expression returned has the following form:	
char <u>pas/nteger</u> to <u>pas/nteger</u> ¬ of <u>cantainer</u>	
	End of Topic
Examples Demo Script	Tips 📳 Related Topics
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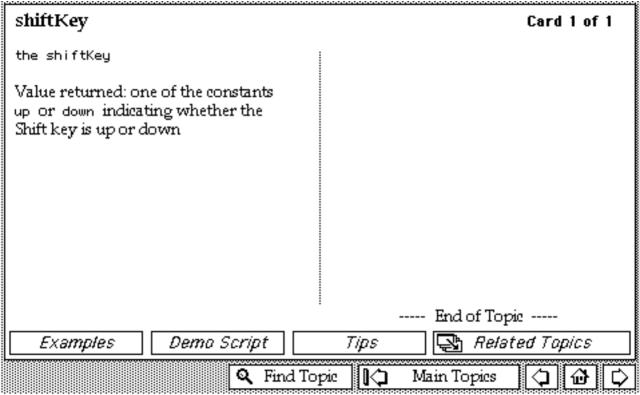


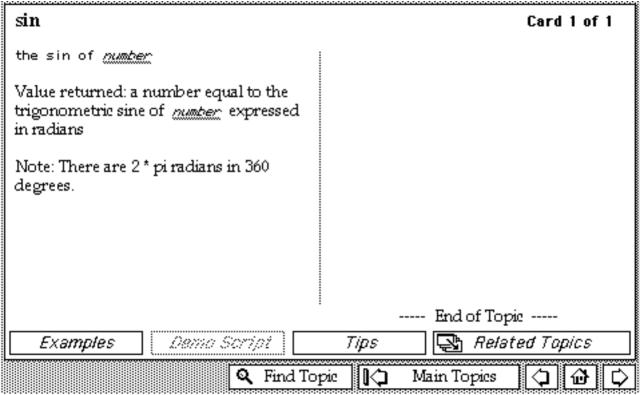
selectedLine	Card 1 of 2
the selectedLine the selectedLine of <i>listField</i>	• for the selectedLine of //stF/e/d, a line expression that indicates the
the selectedLine of papupGuttan	lines of a <i>list field</i> in which the characters are currently highlighted
Values returned:	
for the selectedLine, a line     expression that indicates the line of a     field or the Message box in which a     range of characters is currently     highlighted	• for the selectedLine of papapalitan, a line expression that evaluates to the line number in a popup button's contents indicating the current selection  If nothing is selected, the selectedLine returns empty.
	More
Examples Demo Script	Tips 📳 Related Topics
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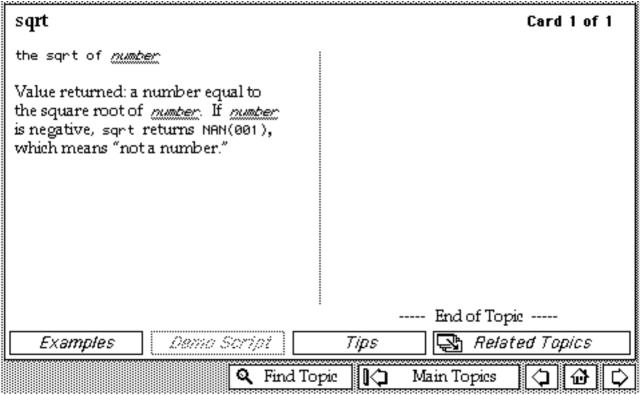


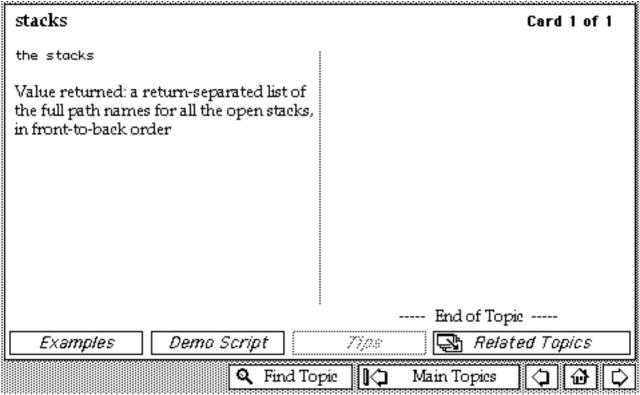
selectedText	Card 1 of 1
the selectedText the selectedText of <i> istField</i> the selectedText of <i>papupButtan</i>	
Value returned: a string equal to the range of characters currently selected. If nothing is highlighted, it returns empty.	
If a field isn't currently a list field but it was in the past, and a selection had been made when it was a list field, the selectedText returns the most recent selection.	
	End of Topic
Examples Demo Script	Tips 🖳 Related Topics
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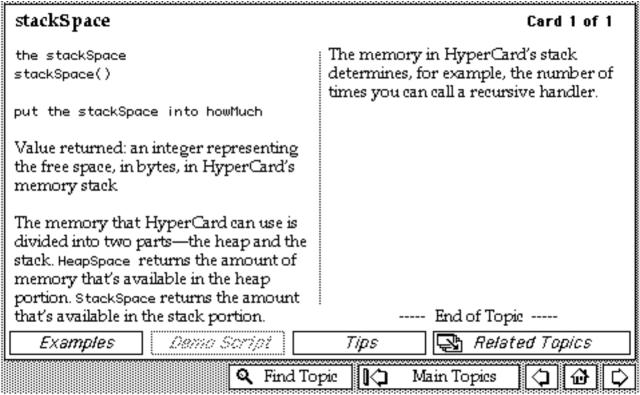


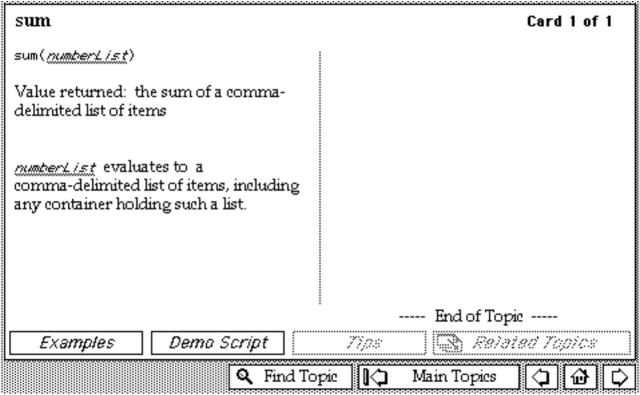


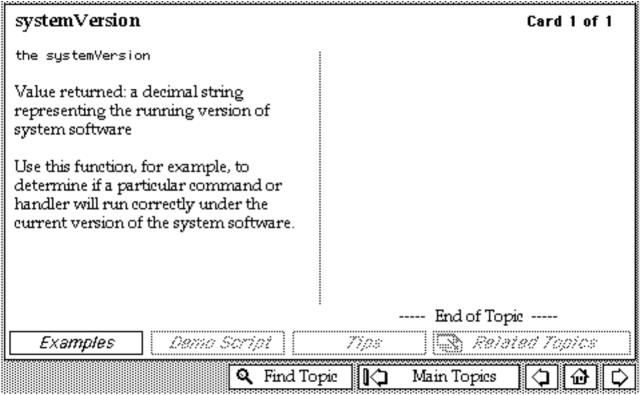
sound	Card 1 of 1
the sound	
Value returned: a text string equal to the name of the sound resource currently playing (such as "boing") or the string "done" if no sound is currently playing.	
You use the sound function to synchronize sounds with other actions, because scripts continue to run while sounds are playing.	
	End of Topic
Examples Demo Script	Tips Related Topics
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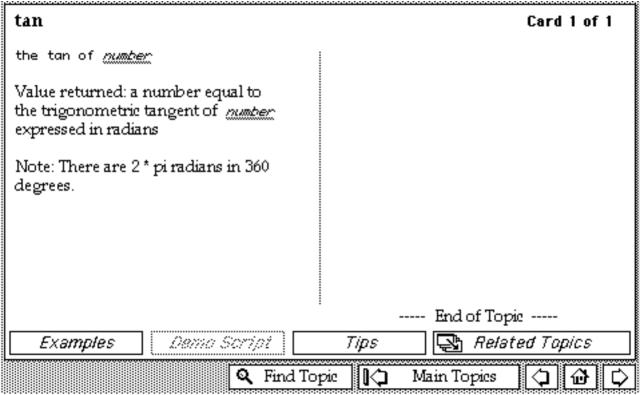




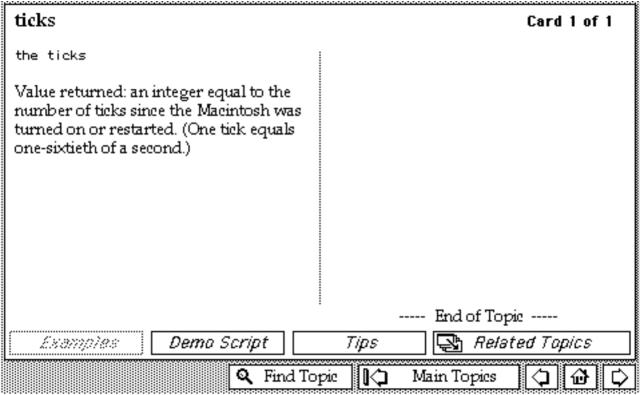




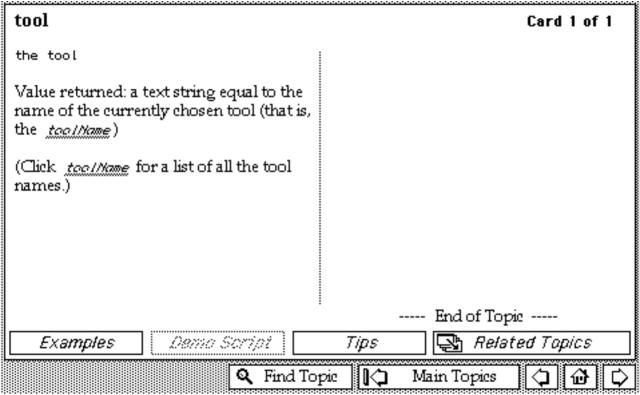




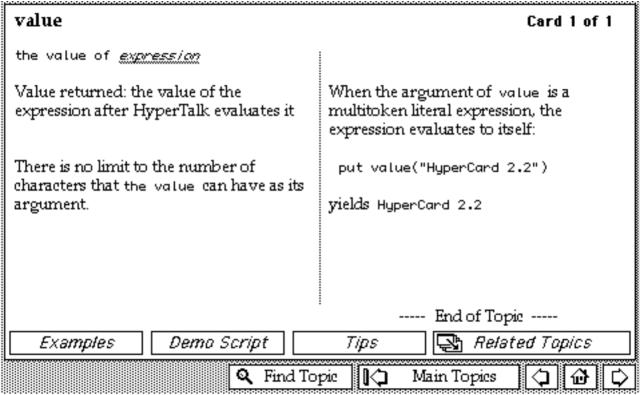
target	Card 1 of 1
the [ <u>ad/ect/we</u> ] target	Note: the abbreviated target is the
Value returned: a text string that identifies	Same as the target.
the <u>object</u> that originally receives a message sent by HyperCard or by the send keyword. If an object does not have a name, the target returns its ID.	HyperTalk distinguishes between the target and target: the target always returns a string that identifies an object, but the single word target is a container.
The adjectives obbrevioted, long, and short return various forms of an object's name as with the property the name. (Click Related Topics for more information about name.)	If the target is a button or field, target refers to the contents of that button or field. If not, target returns an error.
	End of Topic
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time	Card 1 of 1
the [ <i>adjective</i> ] time time()	When HyperCard is running under System 7.1, the long, abbrev, and short
Value returned: A text string representing the current time set in your Macintosh, in one of the following time formats:	•
the time 9:14 AM time() 9:14 AM the abbrev time 9:14 AM the short time 9:14 AM the long time 9:14:42 AM the English time 9:14:42 AM	The form the English time returns the time in the form At : AM   PM no matter what language the system is localized for and no matter what the settings are on the Date & Time Control Panel.
Examples Demo Script	End of Topic Tips Related Topics
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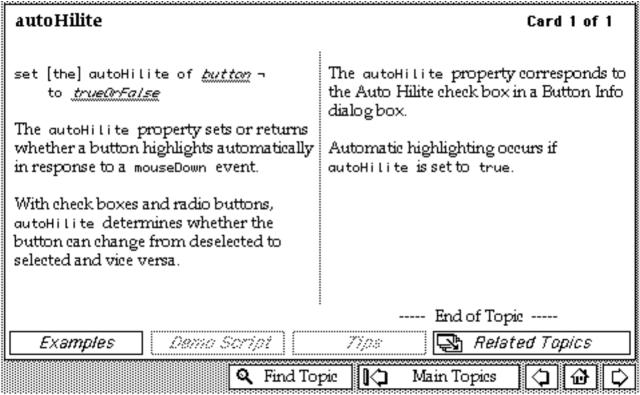


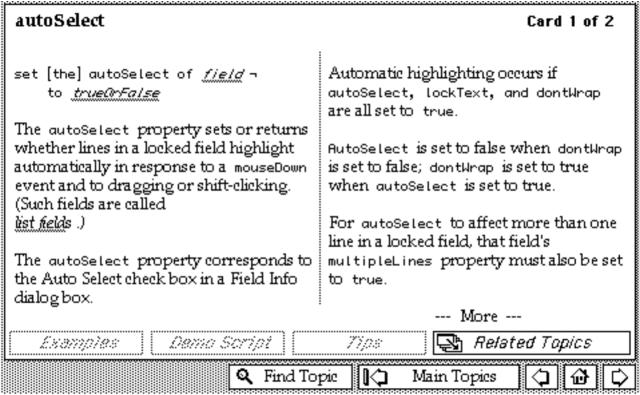
trunc	Card 1 of 1
the trunc of <u>number</u>	
Value returned: an integer equal to the integer part of <u>number</u> . Any fractional part is disregarded, regardless of the number's sign.	
Note: trunc returns correct values only for real numbers in the range -2,147,483,648 through 2,147,483,647 (the maximum long integer value).	
	End of Topic
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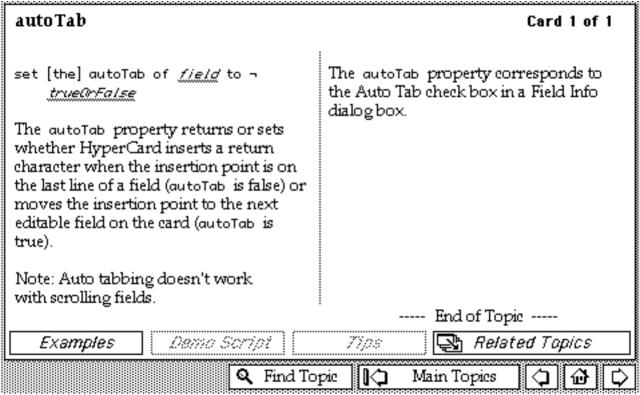
windows	Card 1 of 1
the windows	
Value returned: a return-separated list of the names of all the windows (including built-in palettes) in front-to-back order	
If the longWindowTitles is true, the windows returns full path names for windows that contain stacks.	
	End of Topic
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address	Card 1 of 1	
get the address  This read-only property tells you where on the AppleTalk network you are, in the form zane: camputer: program. If zane is an asterisk (*), either your system is not on a network or the network has just one zone.	yields HyperText:Quille:HyperCard  If you're running HyperCard on an unnamed computer that's not on a network, you get  *::HyperCard	
So if you're running HyperCard on a computer named Quille on a zone called HyperText, the statement	This property requires System 7.0 or later.	
put the address	End of Topic	
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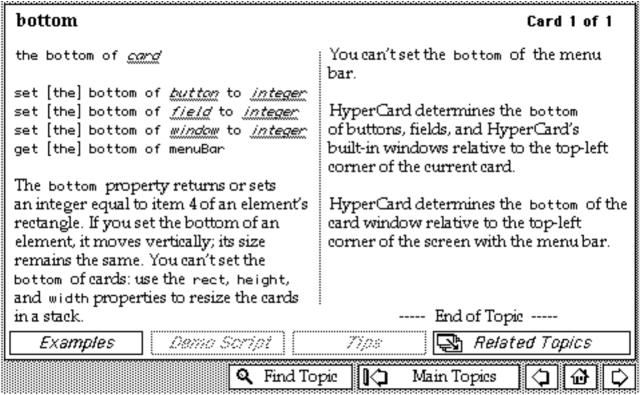




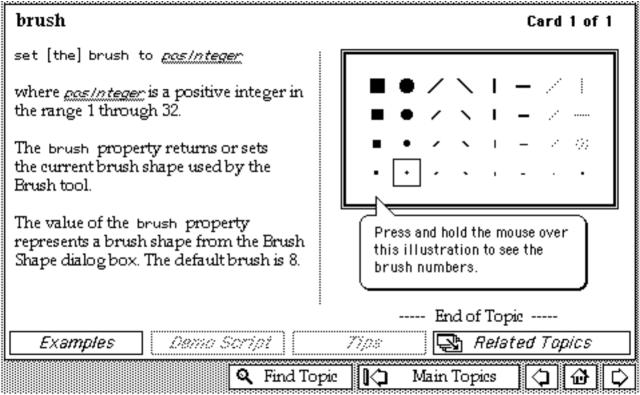
autoSelect (cont'd)	Card 2 of 2
To learn which lines are selected, get the selectedLine of <i>field</i> . To learn the contents of those lines, get the selectedText of <i>field</i> . To preselect, use select line x [to y] of <i>field</i> .	
	: End of Topic
Examples Demo Script	77/ns 📳 Related Topics
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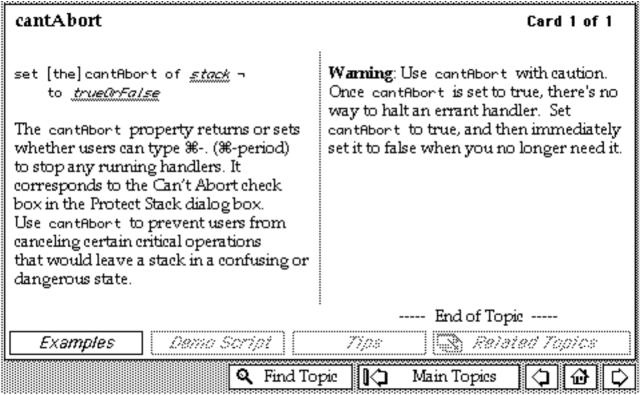


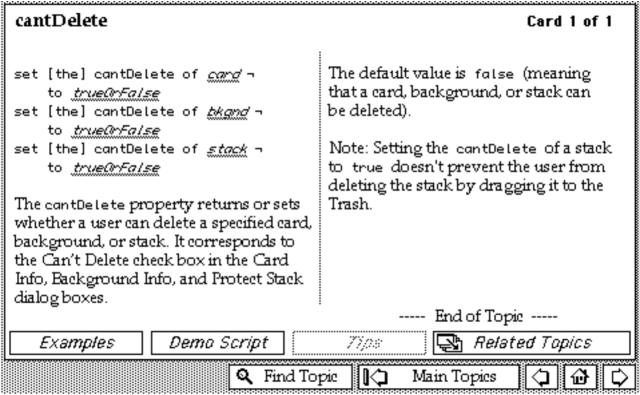
blindTyping	Card 1 of 1
set [the] blindTyping to <u>trueOnFalse</u>	
The blindTyping global property returns or sets whether you can type into the Message box and send messages from it even when it isn't visible.	
HyperCard determines the default setting for blindTyping at startup (and when HyperCard resumes after being suspended) from the Blind Typing option on the Preferences card of the Home stack.	
	End of Topic
Examples Demo Script	77/28 🔁 Related Topics
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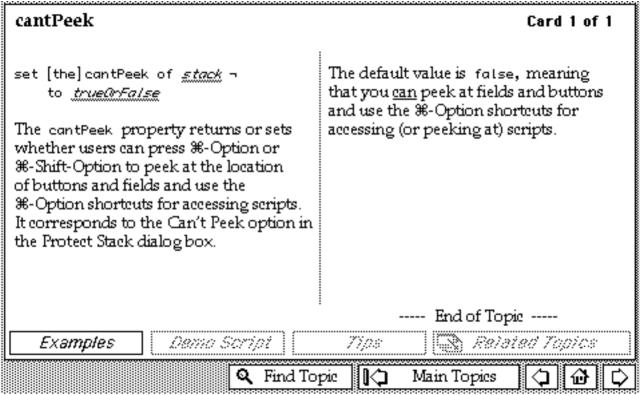
bottomRight	Card 1 of 1	
the bottomRight of <u>card</u>	You can't set the bottomRight of cards: use the rect, height, and width	
set [the] bottomRight of <i>button</i> ¬ to <i>point</i>	properties to resize the cards in a stack.	
set [the] bottomRight of <i>field</i> ¬ to <i>point</i>	HyperCard determines the bottomRight of buttons, fields, and built-in windows	
get [the] bottomRight of menuBar	relative to the top-left corner of the current card. It determines the	
The bottomRight property returns or sets a <u>point</u> equal to items 3 and 4 of	•	
an element's rectangle. If you set the bottomRight of an element, it moves; the	of the screen with the menu bar.	
element's size remains the same.		
End of Topic		
Examples Demo Script	77/28 🛂 Related Topics	
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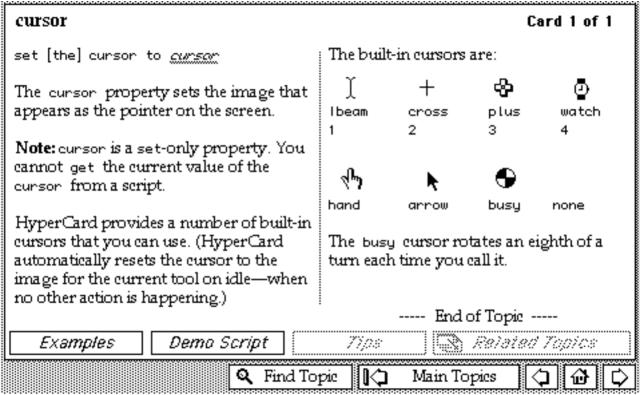
cantMo dify	Card 1 of 1
set [the] cantModify of <u>stack</u> ¬ to <u>trueOnFalse</u>	The default value is false (meaning that the card, background, or stack can be modified).
The contModify property returns or sets whether a stack can be changed in any way. It corresponds to the Can't Modify check box in the Protect Stack dialog box.	
Setting the contModify of a stack to true selects both the Can't Modify Stack check box and the Can't Delete Stack check box in the Protect Stack dialog box. When contModify is true, a padlock	
appears in the menu bar.	End of Topic
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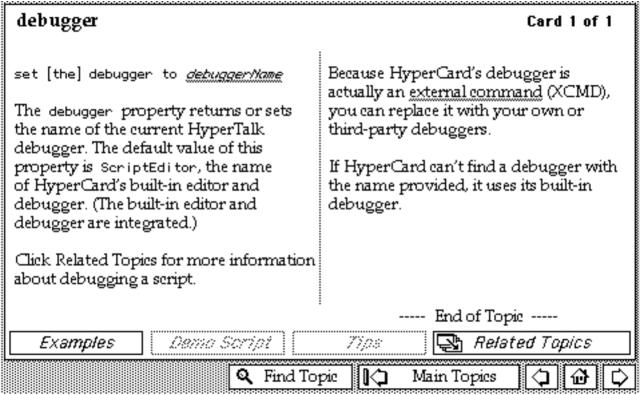


centered			Card 1 of 1	I
set [the] centered	i to <i>trueOrFalse</i>			
whether HyperCar the center rather the corresponds to the	perty returns or sets rd draws shapes from an from a corner. It Centered command in (which appears when ool).			
	perty affects the Line, d Rectangle, and Oval lue is folse.			
	,		End of Topic	
Examples	Demo Script	77,03	Related Topics	
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checkMark	Card 1 of 1
set [the] checkMark of <i>menu/tem</i> of ¬ <i>menu</i> to <i>trueOrFalse</i>	
The checkMark property returns or sets whether a check-mark character appears in front of a menu item.	
It uses the veharacter, numToChor(18), as the default check-mark character. Click Related Topics for information about the markChor property, which lets you use characters other than the check mark.	
	End of Topic
Examples Demo Script	Tips Related Topics
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commandChar	Card 1 of 1
set [the] commandChar of menu/tem ¬ of menu to char  The commandChar property returns or sets the character that you'd press with the # key as the keyboard shortcut (commonly called the #-key equivalent) for a menu item.	If more than one menu item use the same command character, the menu item on the menu farther to the right takes precedence.
If the menu item has no #-key equivalent, the property returns empty. Otherwise, it returns the character.	
	End of Topic
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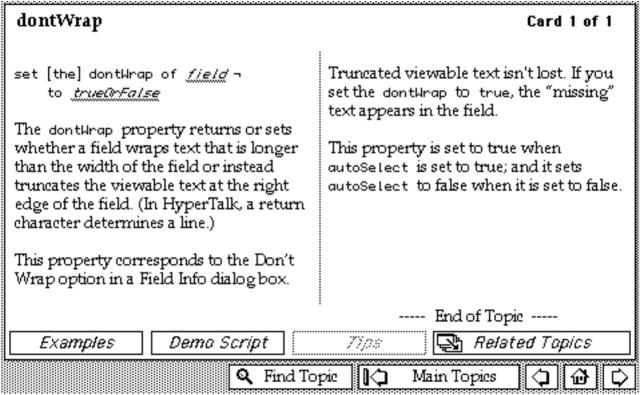




dialingTime	Card 1 of 1	
set [the] dialingTime to mumberOfTicks  The dialingTime property sets or returns the total length of time (in ticks) that HyperCard leaves the serial port open while dialing a modem.  The default value for mumberOfTicks is 180, where 60 ticks = 1 second.	Note: dialingTime is not reset to its default value at idle time.  HyperCard maintains the value that you set for this property for the duration of the HyperCard session.	
: End of Topic		
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dialingVolume	Card 1 of 1
set [the] dialingVolume to <i>integer</i>	
The dialingVolume property sets or returns the volume of the dialing tones generated through the computer speaker by the dial command.	
integer evaluates to an integer in the range 0 through 7, where 0 is extremely low but does <u>not</u> shut off the sound entirely.	
	: End of Topic
Examples Demo Script	77/28 🔁 Related Topics
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dontSearch	Card 1 of 1
set [the] dontSearch of <i>field</i> ¬ to <i>trueOrFalse</i> set [the] dontSearch of <i>card</i> ¬ to <i>trueOrFalse</i> set [the] dontSearch of <i>tkgnd</i> ¬ to <i>trueOrFalse</i>	
The dontSearch property returns or sets whether HyperCard's find command will look for matches in a field, card, or background. It corresponds to the Don't Search check box in the Field Info, Card Info, and Background Info dialog boxes.	
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Examples Demo Script	77/00 🔁 Related Topics
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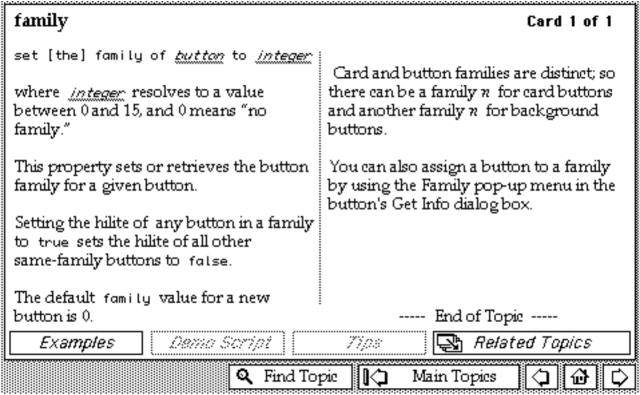


dragSpeed	Card 1 of 1
set [the] dragSpeed to <u>pos/ntege</u> r	
The dragSpeed property returns or sets how many pixels per second the pointer will move when manipulated by all subsequent drag commands. Use 0 to drag as fast as possible.	
The dragSpeed affects all of the paint tools except the Bucket and Text tools.	
On idle, HyperCard resets the dragSpeed to 0.	
	End of Topic
Examples Demo Script	77/ns 🔁 Related Topics
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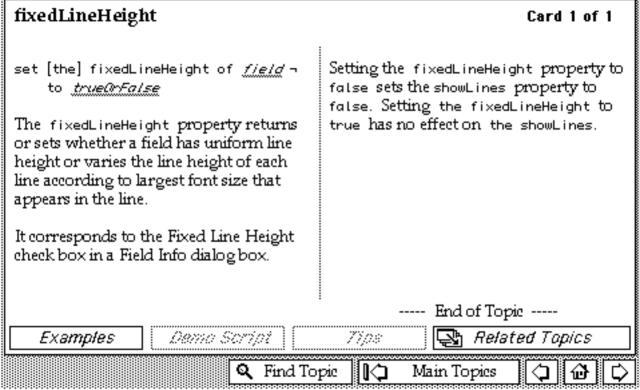
editBkgnd				Card 1 of 1
set [the] editBkgr	nd to <i>trueOnFalse</i>			
the layer where ne	will appear—in the card ground layer. ne Background lit menu, and it's n the user level is			
_	is false, meaning that arts will appear on the		End of Top	ic
Examples	Dema Script	77/28	[53 <i>17979</i> 2	
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enabled	Card 1 of 1
set [the] enabled of{ <i>menu menu/tem</i> }¬ to <i>true@nFa/se</i>	The enabled property won't enable items in HyperCard's menus unless they're currently available to the user.
set[the]enabled of <u>button</u> ¬  to <u>trueOnFalse</u> The enabled propositive returns on sets	For example, the following code won't enable the Button Info command unless a button is selected:
The enabled property returns or sets whether a menu item, menu, or button is active or inactive (dimmed). Users cannot choose dimmed elements.	set the enabled of menultem 1 of ¬ menu "Objects" to true
If you set the enabled of a menu to false, all items on the menu become inactive.  The default state is true, meaning that the element is enabled.	
End of Topic	
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environment	Card 1 of 1
get the environment	
This read-only property returns development when the fully enabled version of HyperCard is running or player when HyperCard Player or a standalone stack is running.	
(A standalone stack is an application that you create by choosing "Application" from the pop-up File Type menu in the Save a Copy dialog box.)	
	End of Topic
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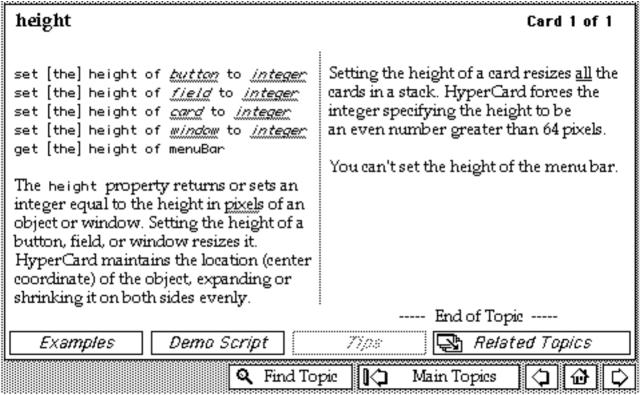


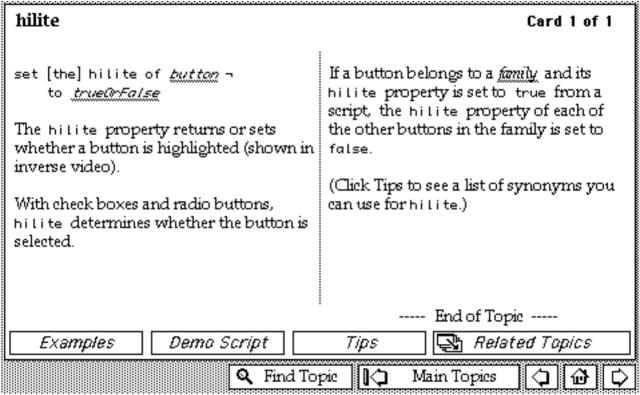
filled	Card 1 of 1
set [the] filled to trueOrFalse  The filled property returns or sets whether HyperCard fills shapes with the current pattern on the Patterns palette as you draw them. It corresponds to the Filled command in the Options menu (which appears when you select a Paint tool).  The default value is false.	The filled property affects the Rectangle, Rounded Rectangle, Oval, Curve, Regular Polygon, and Polygon tools.
Examples Demo Script	End of Topic 77/08 Related Topics
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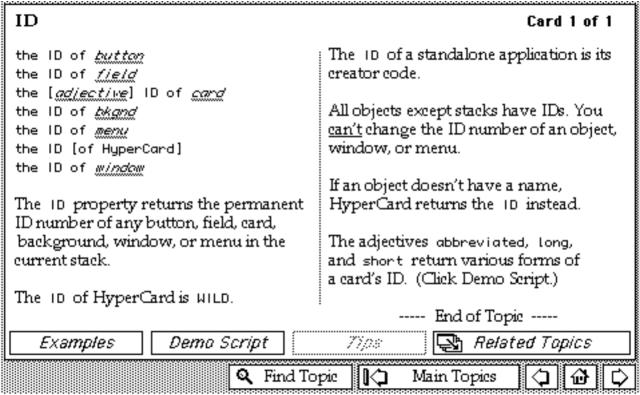
freeSize	Card 1 of 1
the freeSize of <u>stack</u>	
The freeSize property returns the amount of free space, in bytes, in the specified stack. (Free space is created in a stack each time you add or delete an object or graphics.)	1
To set the freeSize property to 0, choose Compact Stack from the File menu or use the command	
doMenu "Compact Stack"	
from a handler or the Message box.	End of Topic
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grid	Card 1 of 1
set [the] grid to <u>trueOrFalse</u>	
The grid property returns or sets whether HyperCard constrains the movement of many Paint tools to eight-pixel intervals. It corresponds to the Grid command in the Options menu (which appears when you select a Paint tool).	
The default value is folse.	
	End of Topic
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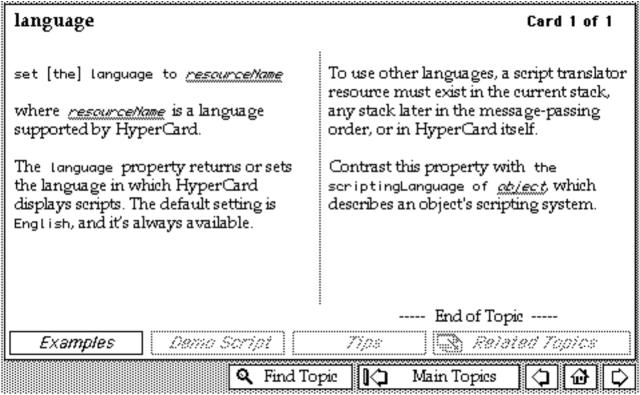


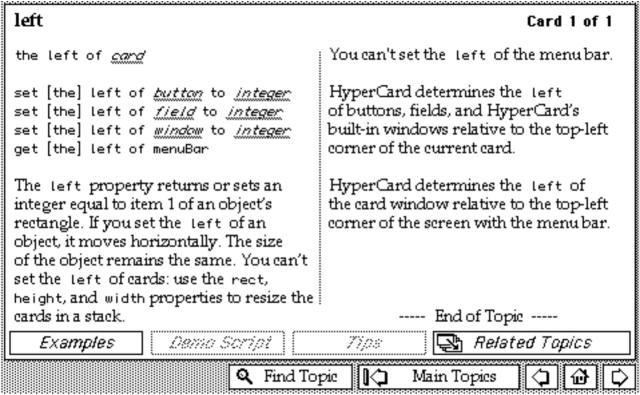


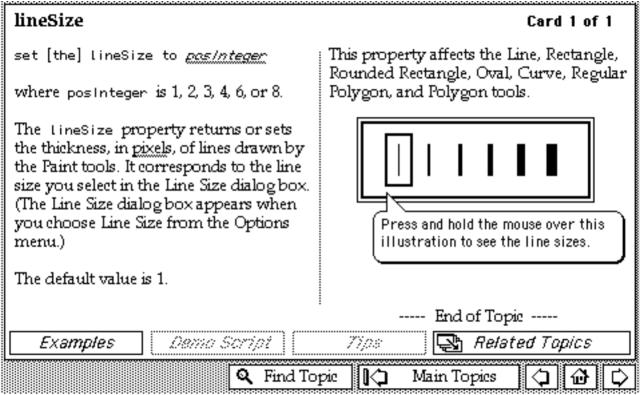
icon Card 1 of 1 The value of the icon property is an set [the] icon of tuttan integer corresponding to the ID number to *pas/nteger* of an available icon resource. If a button, set [the] icon of button has no icon, the icon property is 0. to text For an icon to be displayed on a button, its resource must be available in the where text is the name of an icon. current stack, one of the stacks currently The icon property returns or sets the being used, the Home stack, or HyperCard itself. icon displayed by a button. Setting it is the same as choosing an icon from the Button Info dialog box. HyperCard sets the Click the goldfish bowl to see simple icon function the result to "Can't find animations. that icon." if it can't find the icon (otherwise the result is empty). End of Topic ----Demo Scripi -Related Topics Examples 77ns Main Topics



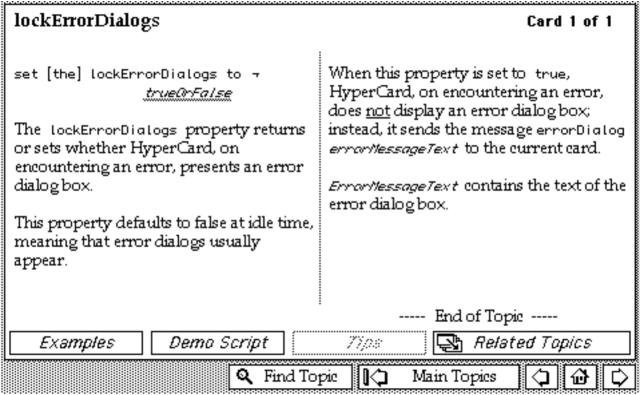
itemDelimiter	Card 1 of 1
set [the] itemDelimiter to <u>උතුක</u>	
The itemDelimiter property sets or retrieves what character HyperCard uses to separate items in a list.	
The default delimiter is commo. HyperCard resets itemDelimiter to the default delimiter at idle.	
This property has no effect on comma-delimited structures such as date I tems, location (Ioc), or rectangles (rect).	
V == 3.	End of Topic
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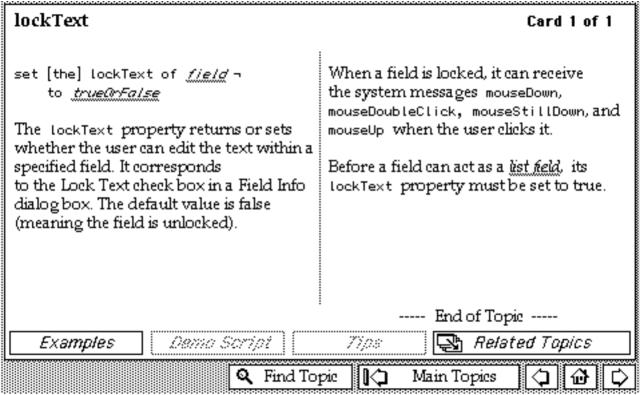
location	Card 1 of 1
set [the] loc of <u>button</u> to <u>paint</u>	HyperCard determines the location
set [the] loc of <i>field</i> to <i>point</i>	of buttons, fields, and HyperCard's
set [the] loc of <i>window</i> to <i>paint</i>	built-in windows relative to the
set [the] loc of <i>externa/Window</i> ¬	top-left corner of the current card.
to <i>ecini</i>	
<b></b>	For a window displaying a stack,
The location (or loc) property returns	HyperCard determines the location of the
or sets the center point of a button or field	card window relative to the top-left corner of the screen with the menu bar.
and the <u>top-left</u> corner of a window. Setting the location of button, field, or	corner of the screen with the menu bar.
window moves it to the new location.	HyperCard adjusts the horizontal offset
While William I was it to die Hew Deadori.	of the card window to the closest multiple
	of 16 to the number specified.
	or to to die namber specimea.
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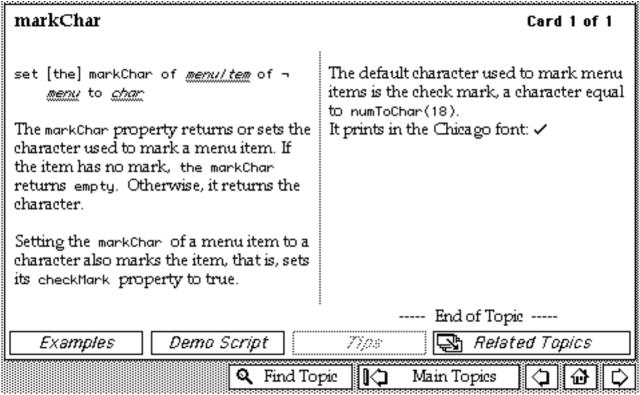
lockMessages	Card 1 of 1
set [the] lockMessages to trueOrFalse  The lockMessages property returns or sets whether HyperCard sends certain messages automatically.  The messages affected are closeCard, closeBackground, closeStack, openCard,	Setting TockMessages to true is useful when you want to go to a card to retrieve or save information, but you don't want to stay there. (The handler will run faster with TockMessages set to true.)  The default setting is false, meaning that
openBackground, openStack, resumeStack, and suspendStack.	HyperCard <u>does</u> send the messages. HyperCard sets lockMessages to false on idle.
	End of Topic
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lockRecent	Card 1 of 1
set [the] lockRecent to true@rfalse  The lockRecent property returns or sets whether HyperCard displays miniature pictures for the last 42 cards visited by the user (or a handler) in the Recent card dialog box. (LockRecent does not affect the trail of cards you can go back to.)	Setting lockRecent to true speeds up scripts that go to cards. HyperCard sets lockRecent to false on idle.
The default setting is false, meaning HyperCard <u>does</u> display miniature pictures of the cards visited.	
	End of Topic
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lockScreen	Card 1 of 1
set [the] lockScreen to true@False The lockScreen property returns or sets whether HyperCard updates the screen when you go to another card. You can use lockScreen to prevent the user from seeing cards as a handler goes to them. The default setting is false. HyperCard sets lockScreen to false on idle.	Setting LockScreen to true speeds up scripts that go to cards momentarily before returning to the source card. (HyperCard runs faster when it doesn't have to redraw the screen.)
	End of Topic
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longWindowTit	les	Card 1 of 1
set the longWindo to <i>trueOrFals</i>		For example, compare the following two commands:
-	tes returns or sets ad displays the full path the title bar of all	show window "Home" show window "My HD:HyperCard:Home"
windows that contr value is false.	in stacks. Its default	The first works only when the longWindowTitles is false, the second only when it's true. Check the value of the
that reference stack	nands or properties windows by name	longWindowTitles before you use such commands or properties, or force it to be
won't work once y longWindowTitles name becomes the	to true because the	false in your stack (which takes away the feature).
stack.		End of Topic
Examples	Demo Script	77/ps 🔁 Related Topics
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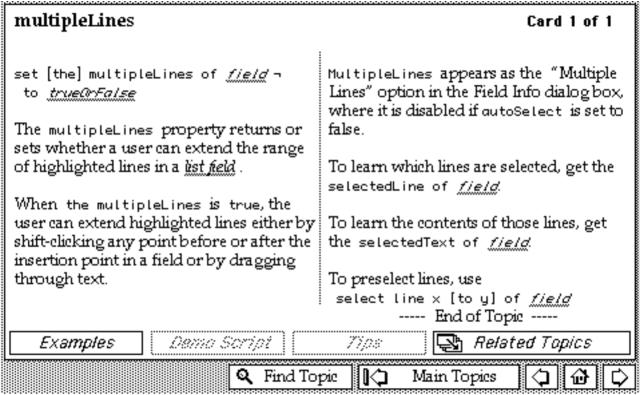


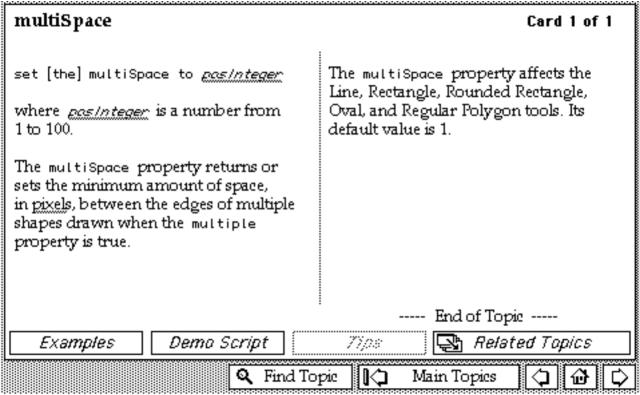
marked	Card 1 of 1
set [the] marked of <u>cand</u> - to <u>trueOnFalse</u>	
The marked property returns or sets whether a card is marked. It corresponds to the Card Marked check box in a Card Info dialog box.	
You can operate on the set of marked cards with commands such as print, go, show, and sort.	
	End of Topic
Examples Demo Script	77/ns 🔁 Related Topics
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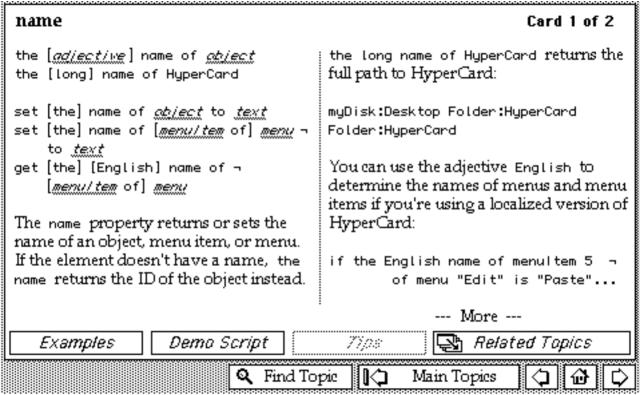
menuMessage	Card 1 of 1
set [the] menuMessage of menu/tem ¬ of menu to ¬ "message/kame [parameter1/st]"  The menuMessage property returns or sets the message sent to the current card when the user chooses a menu item from a menu.	HyperCard's default menu items have no associated messages sent to the current card unless they have been explicitly set with this property. A doMenu handler can override a menuMessage.
The menuMessage property returns empty if the menu item has no associated message.	
	End of Topic
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messageWatcher	Card 1 of 1
set [the] messageWatcher ¬ to <i>resourceName</i>	Click Tips for information about the properties of the message watcher.
The messageWatcher property returns or sets the name of the <u>external command</u> (or XCMD) that displays the Message Watcher window for tracing scripts. The name of HyperCard's message watcher is MessageWatcher.	
Third-party developers might supply other message watchers that you can install into HyperCard.	
	End of Topic
Examples Demo Script	Tips 🖳 Related Topics
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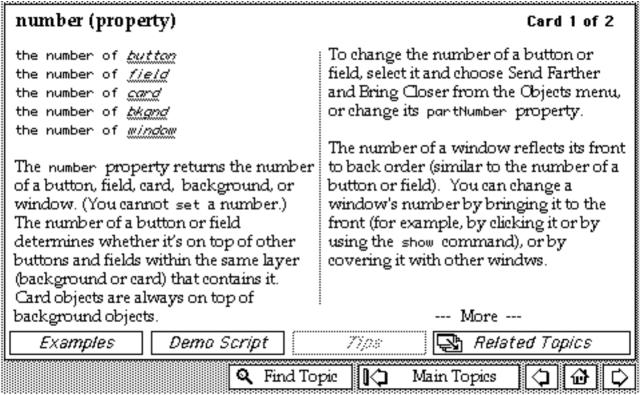
multiple	Card 1 of 1
set [the] multiple to twe@False  The multiple property returns or sets whether HyperCard draws multiple images when the user (or a handler) drags with a Paint tool. It corresponds to the Draw Multiple command in the Options menu (which appears when you select a Paint tool).  The multiSpace property affects the number of multiple shapes drawn.	The multiple property affects the Line, Rectangle, Rounded Rectangle, Oval, and Regular Polygon tools. Its default value is false.
	: End of Topic
Examples Demo Script	77/28 🔁 Related Topics
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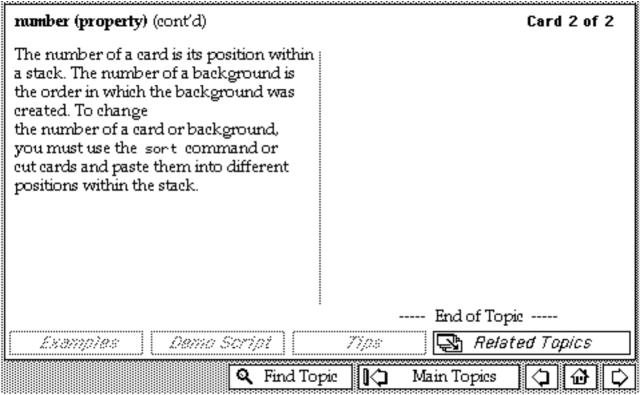


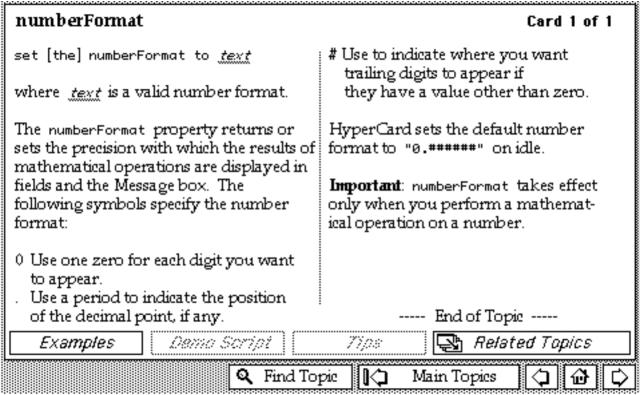




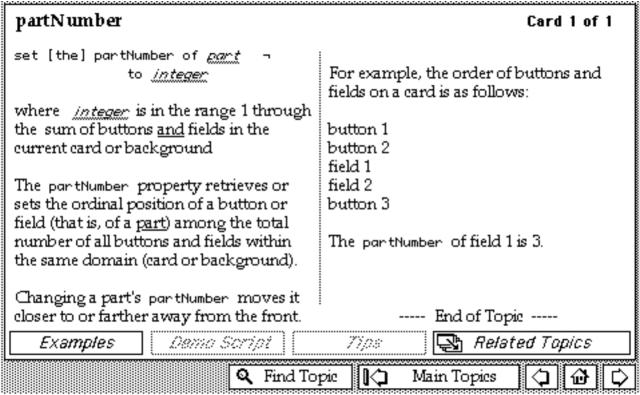
name (cont'd)	Card 2 of 2
The adjectives obbrevioted, long, and short return various forms of an object's name (click Demo Script to see examples).	
Note: the abbreviated name is the same as the name.	
	End of Topic
Examples Demo Script	77/28 🛂 Related Topics
Q Find To	pie 🚺 Main Topies 🗘 🕝 🖒

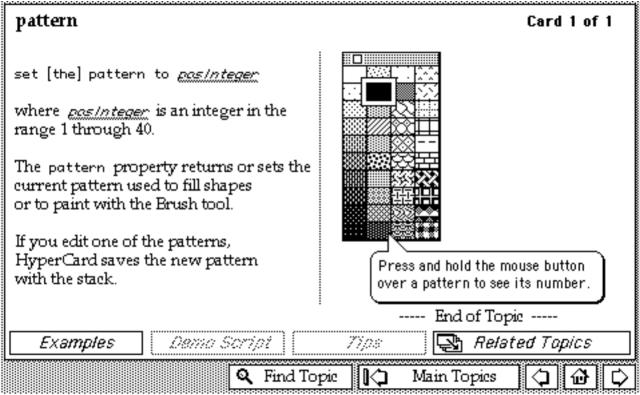


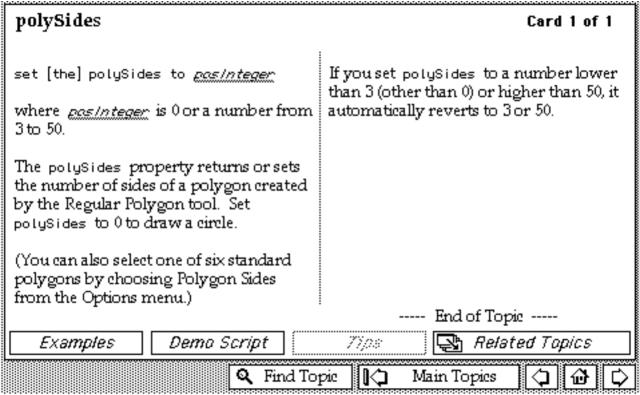




owner	Card 1 of 1
get [the] [long short] owner of <u>card</u> get [the] owner of <u>w/ndow</u>	Owner of <u>care</u> returns "bkgnd" plus the leaf name of the background.
This read-only property tells you the name of the background to which a specified card belongs, or it tells you the creator of a window.	The window form returns HyperCard if it's a stack or built-in window, or the name of an XCMD if it's an external window.
Long owner of <u>care</u> returns the full path name of the background.	
Short owner of <i>card</i> returns the short name of the background.	Food of Toxic
Frameton Anna Carrier	End of Topic
Examples Demo Script	77ps   🕲 Related Topics
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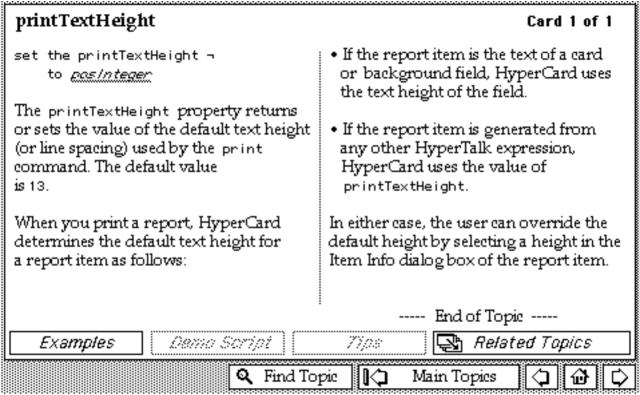


powerKeys	Card 1 of 1
set [the] powerKeys to true@False  The powerKeys property returns or sets whether the you can use keyboard shortcuts for painting actions.	
HyperCard determines the default setting for powerKeys at startup (and when HyperCard resumes after being suspended) from the Power Keys option on the Preferences card of the Home stack.	
	End of Topic
Examples Demo Script	Tips 📳 Related Topics
Q Find Top	pic 🚺 Main Topics 🗘 🔂 🖒

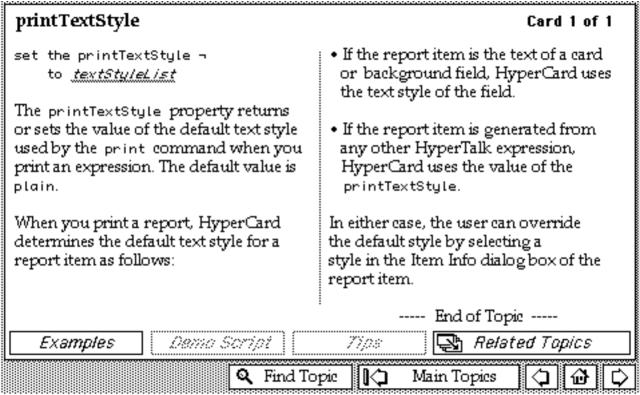
printMargins	Card 1 of 1
set [the] printMargins to <u>rectangle</u>	
The printMargins property returns or sets the value of the default margin spacing used by the print command.	
The default value is 0,0,0,0.	
	End of Topic
Examples Demo Script	77/28 🔁 Related Topics
Q Find Top	pie 🚺 Main Topies 🗘 🔂 🖒

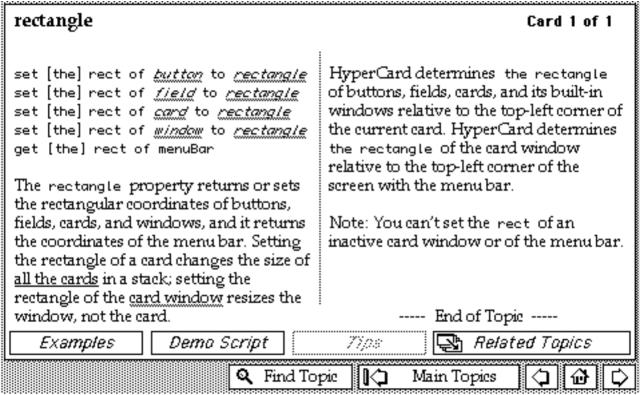
printTextAlign	Card 1 of 1
set the printTextAlign to <u>alignment</u>	
The printTextAlign property returns or sets the value of the default alignment used by the print command. The default value is left.	
The printTextAlign property does not affect printing of report items.	
	End of Topic
Examples Demo Script	77/ps 📳 Related Topics
Q Find Top	pic [<] Main Topics (그) 🍪 🗘

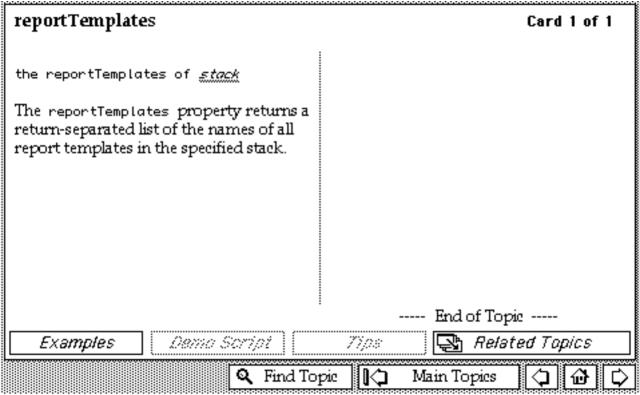
printTextFont	Card 1 of 1
set the printTextFont to fant	If the report item is generated from any other HyperTalk expression,
The printTextFont property returns or sets the value of the default text font used	HyperCard uses the value of printTextFont.
by the print command. The default value is Geneva.	In either case, the user can override the default font by selecting
When you print a report, HyperCard determines the default font for a report item as follows:	a font in the Item Info dialog box of the report item.
<ul> <li>If the report item is the text of a card or background field, HyperCard uses the text font of the field.</li> </ul>	
	End of Topic
Examples Demo Script	77/ns 🔁 Related Topics
Q Find To	pie 🚺 Main Topies 🗘 🔐 🖒

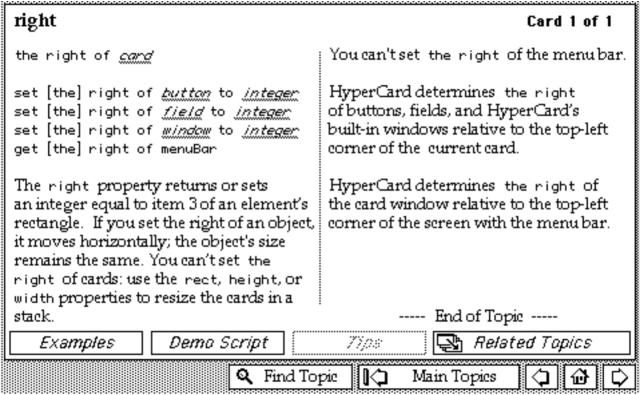


printTextSize	Card 1 of 1	
set the printTextSize to pas/nteger  The printTextSize property returns or sets the value of the default text size (or point size) used by the print command. The default value is 10.  When you print a report, HyperCard determines the default text size for a report item as follows:	If the report item is generated from any other HyperTalk expression, HyperCard uses the value of the printTextSize.  In either case, the user can override the default size by selecting a size in the Item Info dialog box of the report item.	
<ul> <li>If the report item is the text of a card or background field, HyperCard uses the text size of the field.</li> </ul>		
	End of Topic	
Examples Demo Script	77ps 🔁 Related Topics	
Q Find Topic [() Main Topics () 位 🗘		

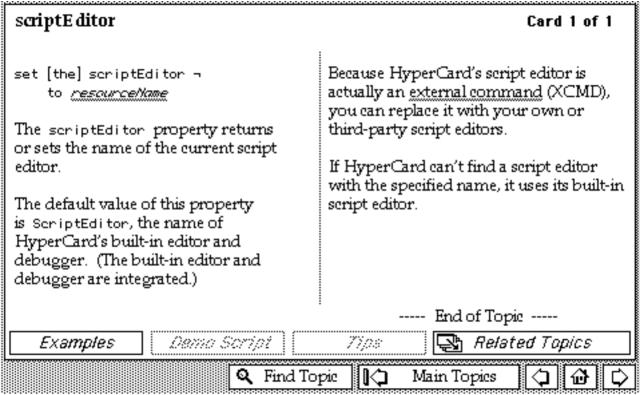


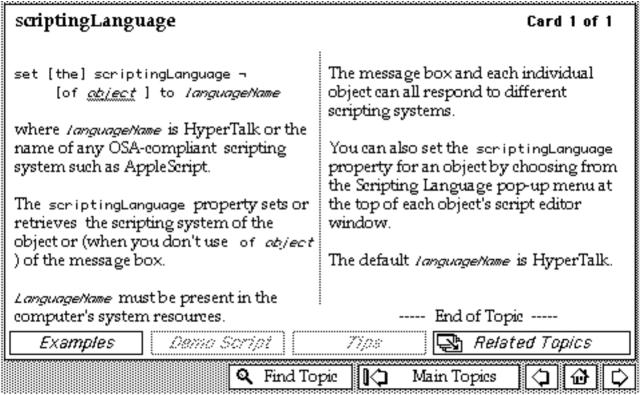




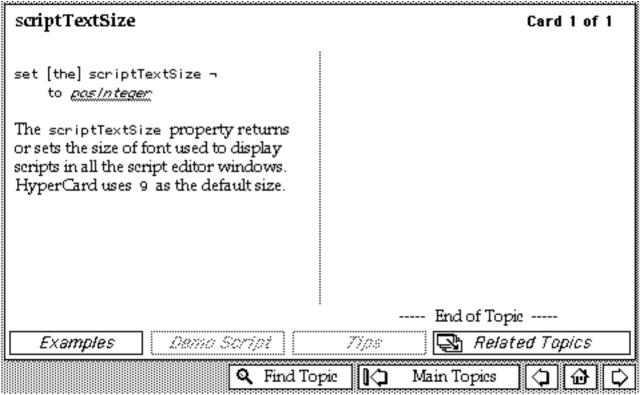


script	Card 1 of 1
set [the] script of <u>abject</u> to <u>text</u>	
The script property returns or sets a text string equal to the script of the specified object in the current stack or in the stack script of another stack.	
When you set the script property with the set command, you replace the existing script entirely.	
	End of Topic
Examples Demo Script	77/ps 📳 Related Topics
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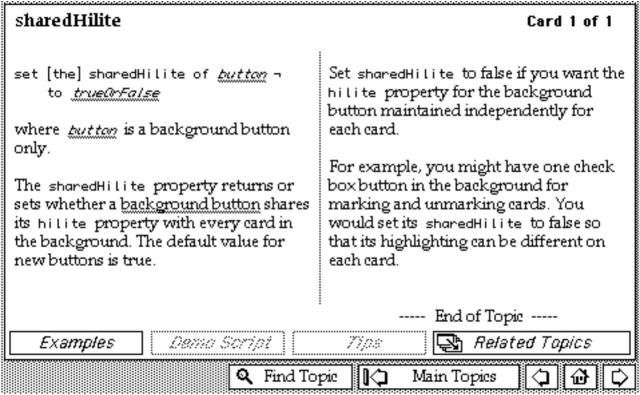


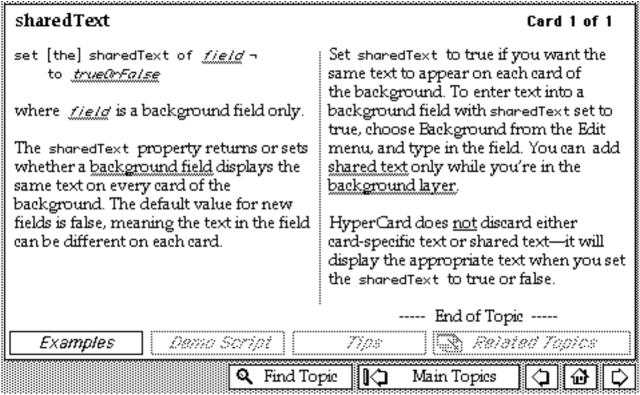


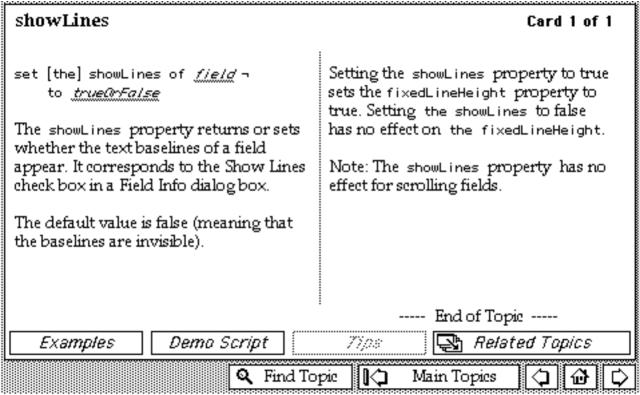
scriptTextFont	Card 1 of 1
set [the] scriptTextFont ¬ to <u>fant</u>	
The scriptTextFont property returns or sets the font used to display scripts in all the script editor windows.	
HyperCard uses Monaco as the default font.	
	End of Topic
Examples Demo Script	77/ps 📳 Related Topics
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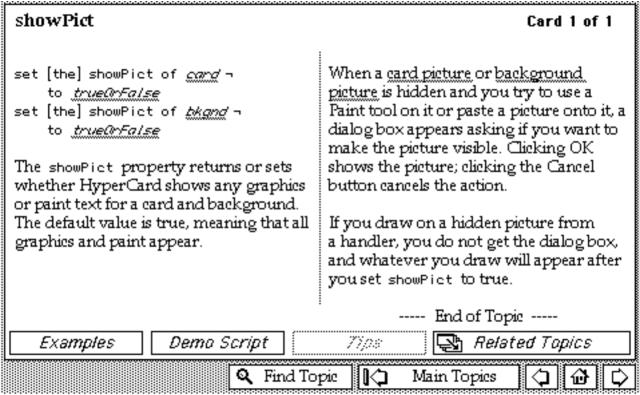
scroll		Card 1 of 1
1	of <i>field</i> to <i>integer</i> [the] card window ¬	For fields, HyperCard pins the scroll to a number between 0 and the maximum value for the field.
For scrolling fields, the scroll property returns or sets which lines of text currently appear (as indicated by the scroll bar). The integer represents the number of pixels that have scrolled above the top of the field's rectangle. For example, the number of lines scrolled in card field 1 equals the scroll of card field 1 div the textHeight of card field 1.		For the card window, the scroll property returns or sets a point that specifies the current horizontal and vertical offsets of the portion of the card currently visible in the card window. It affects the card image only when the size of the window is smaller than the size of the card.
End of Topic		End of Topic
Examples	Demo Script	Tips 🖳 Related Topics
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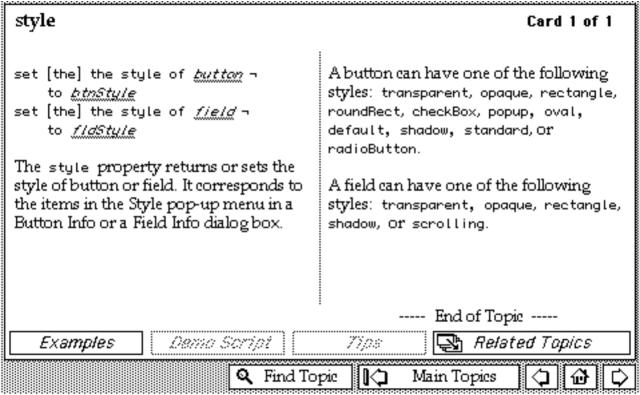


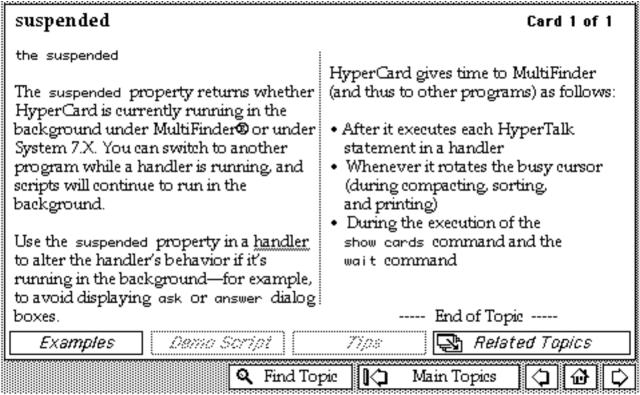
showName	Card 1 of 1
set [the] showName of button - to trueOrFalse  The showName property returns or sets whether HyperCard displays the name of a button (if the button has one) within the button's rectangle. It corresponds to the Show Name check box in a Button Info dialog box.	
	End of Topic
Examples Demo Script	77/08 🛂 Related Topics
Q Find Top	pic 🚺 Main Topics 🗘 🔐 🖒

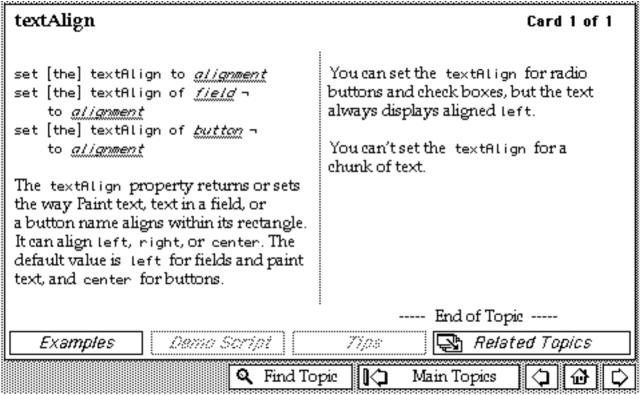


size				Card 1 of 1
the specified stack in The size property the set command adding and deleting and graphics from	returns the size of n bytes. can't be changed with . It's changed only by gobjects a stack. You must o recover the space			
	1		End of Topic	·
Examples	Demo Script	7508	Relate	ed Topics
	Q Find To	pic 🎼	Main Topics	

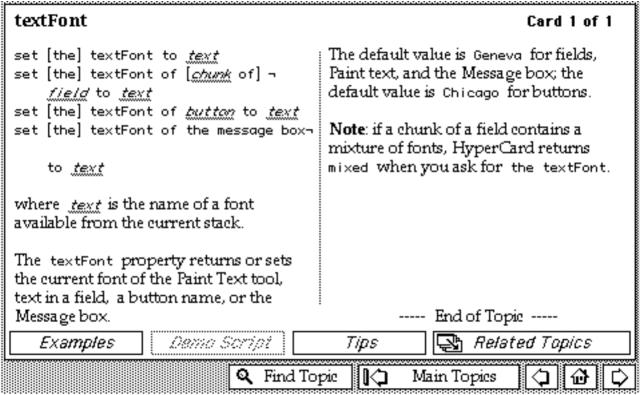
stacksInUse	Card 1 of 1
the stacksInUse The stacksInUse property returns a return-separated list of stacks that have been inserted into the message-passing path via the start using command. Each stack appears in the order it will receive messages. The stacksInUse contains the full path names of the stacks being used.	Note: You can't compact a stack that's being used.
HyperCard can use up to 16 stacks.	
	End of Topic
Examples Demo Script	Tips 🖳 Related Topics
Q Find To	pic 🚺 Main Topics 🗘 🕝 🖒

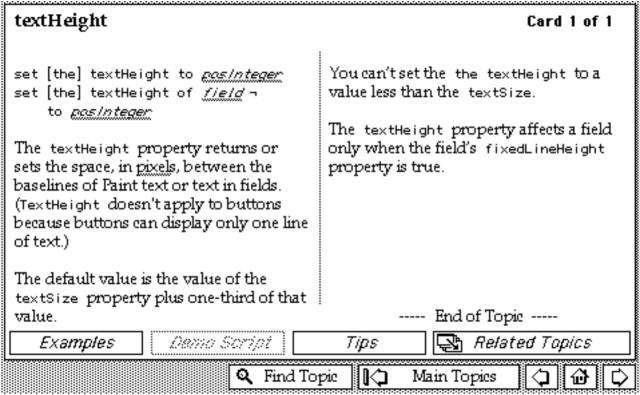


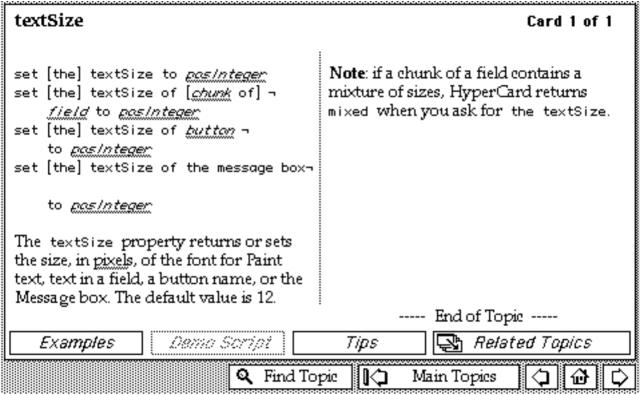


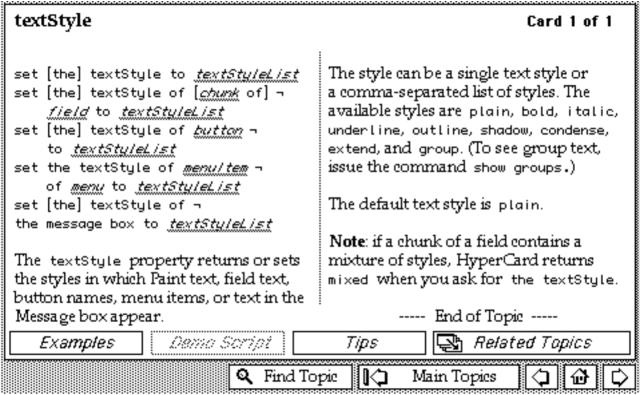


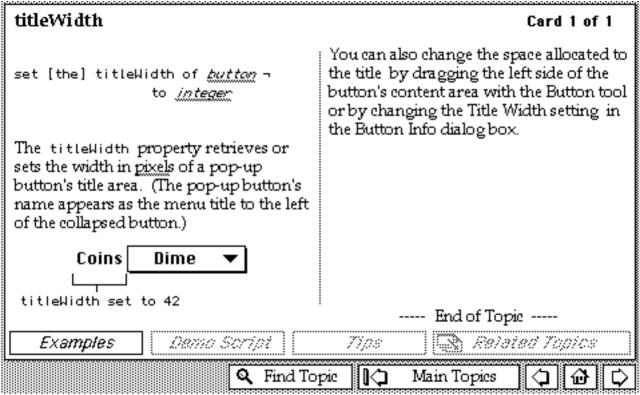
textArrows	Card 1 of 1	
set [the] textArrows to <u>true@rFalse</u>	When the textarrows property is true,	
The textArrows property returns or sets whether the arrow keys move the insertion point in a field or move you through stacks.	the arrow keys move the text insertion point around in a field that you're editing or in the Message box; if you're not editing, they move you through cards.	
When the textArrows property is false, the Right Arrow and Left Arrow keys always take you to the next and previous cards in the stack, and the Up Arrow and Down Arrow keys take you forward and backward through the cards you've already viewed.	HyperCard determines the default setting for textArrows at startup (and when HyperCard resumes after being suspended) from the Arrow Keys in Text option on the Preferences card of the Home stack.	
-	End of Topic	
Examples Demo Script	77///s 📳 Related Topics	
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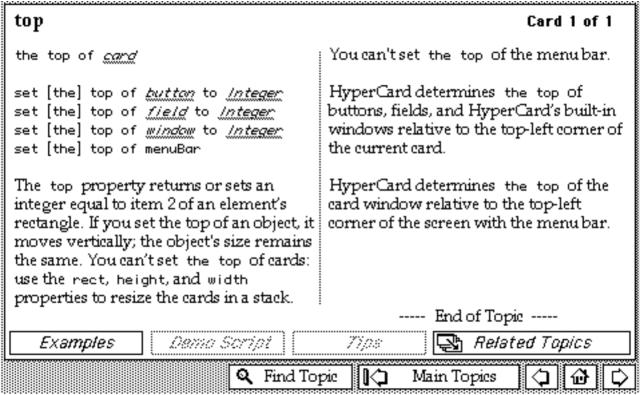


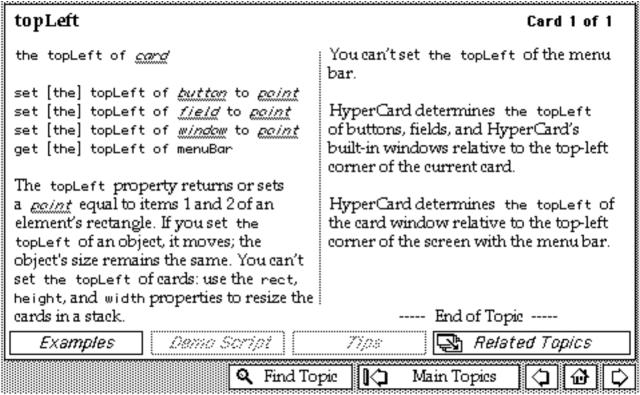




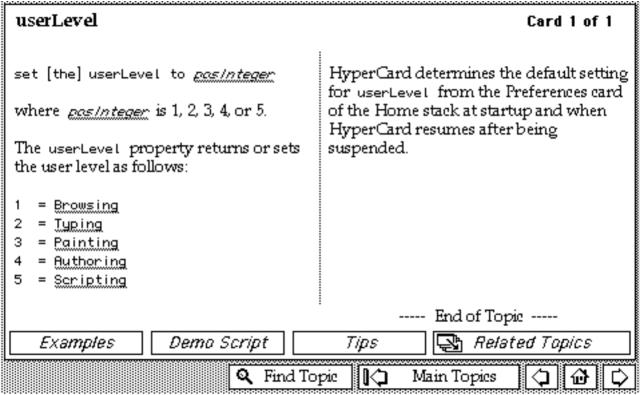


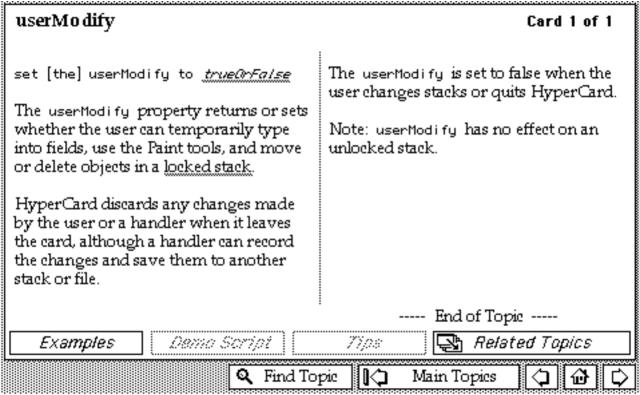


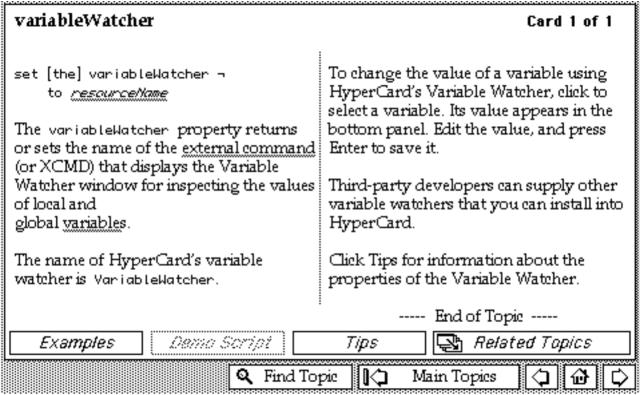


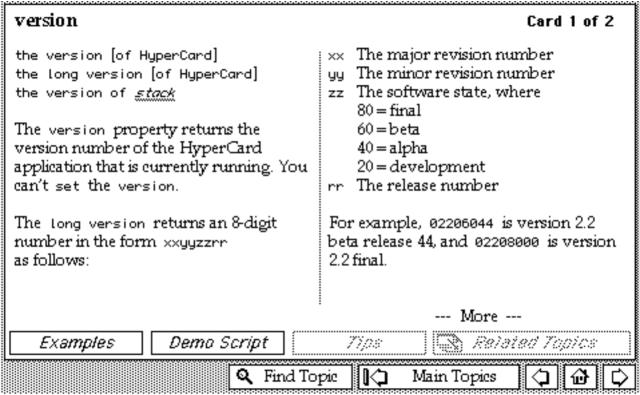


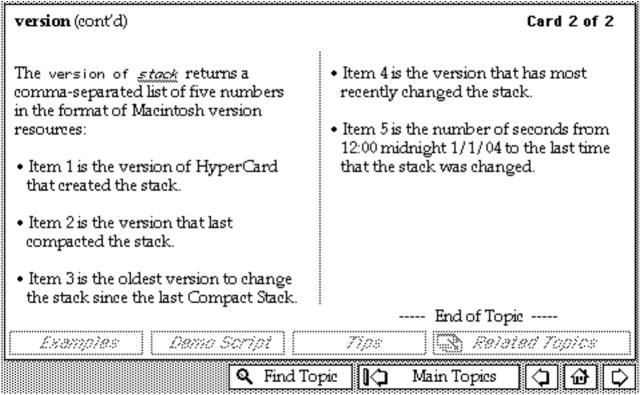
traceDelay	Card 1 of 1
set the traceDelay to <i>pas/nteger</i> where <i>pas/nteger</i> specifies ticks.	
The traceDelay property returns or sets the number of ticks HyperCard pauses between each statement as it traces a handler while in the debugger.	
Its default value is 0.	
	End of Topic
Examples Demo Script	77/08 📳 Related Topics
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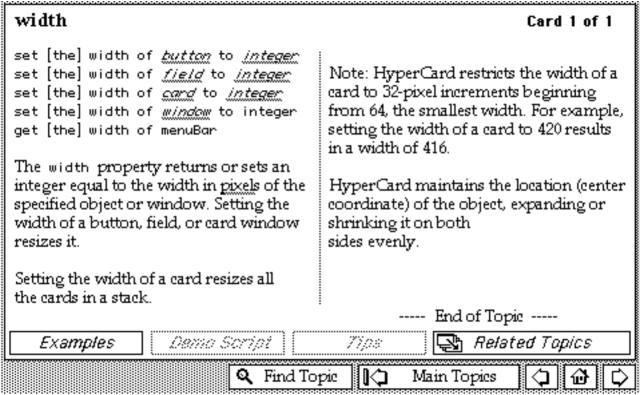




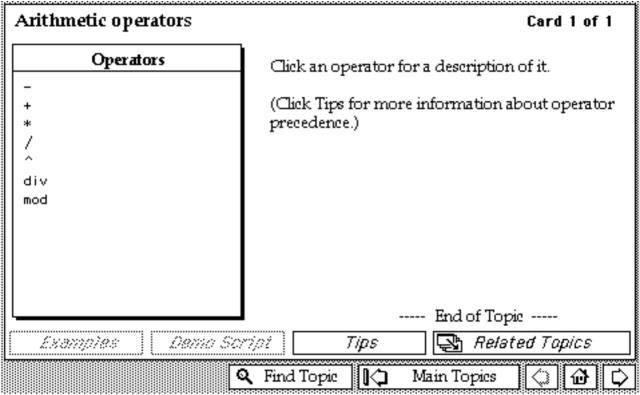


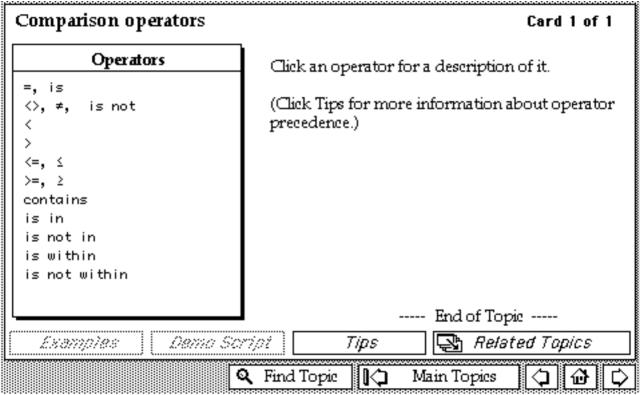
visible	Card 1 of 1
set [the] visible of <u>button</u> ¬  to <u>trueOrFalse</u> set [the] visible of <u>field</u> ¬  to <u>trueOrFalse</u> set [the] visible of <u>window</u> ¬  to <u>trueOrFalse</u> set [the] visible of <u>externalWindow</u> ¬  to <u>trueOrFalse</u> set [the] visible of menuBar ¬  to <u>trueOrFalse</u>	Setting the visible of a window to true makes it the frontmost window.  With external windows, an external command or external function must first create a window before the visible will work on it. Setting the visible of a window to true (showing it) will not create the window. Similarly, setting the visible of a window to false (hiding it) doesn't remove it from the window list
The visible property returns or sets whether a button, field, window, or the menu bar is visible on the screen.	(from memory); use the close command to dispose of a window. End of Topic
Examples Demo Script	77)ps 🖳 Related Topics
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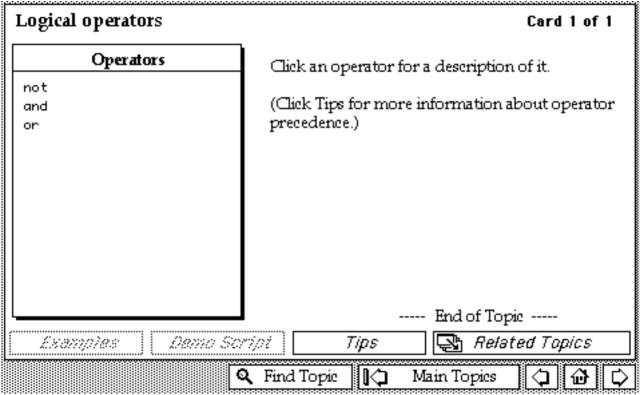
wideMargins	Card 1 of 1
set [the] wideMargins of <i>field</i> ¬ to <i>trueOrFalse</i>	
The wideMargins property returns or sets whether HyperCard adds extra space between the edges of a field and its text (to make it easier to read). It corresponds to the Wide Margins check box in a Field Info dialog box.	
The default value is false.	
	End of Topic
Examples Demo Script	77/ps 🔁 Related Topics
Q Find To	pic 🚺 Main Topics 🗘 🛍 🖒

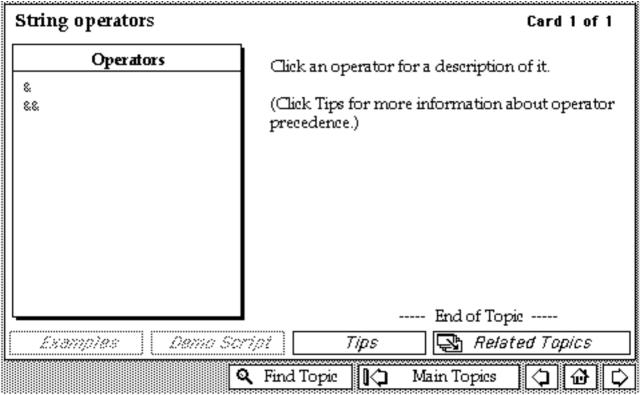


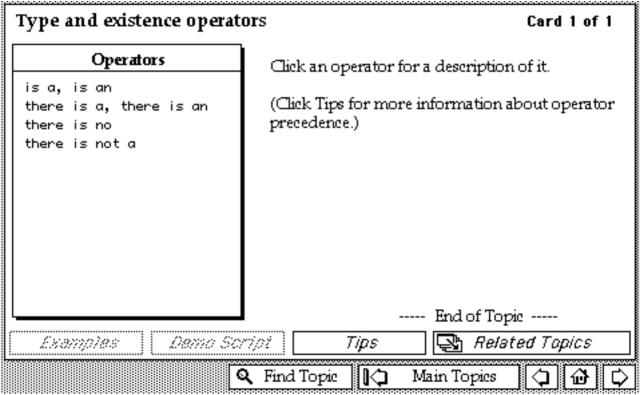
zoomed	Card 1 of 1
get [the] zoomed of window set [the] zoomed of window = to trueOrFalse  When the zoomed is true, window is full sized and centered on the current display. The zoomed becomes false when the user drags the window from its original position and/or resizes it.	######################################
Examples Demo Script	End of Topic 77/28 (3) Related Topics
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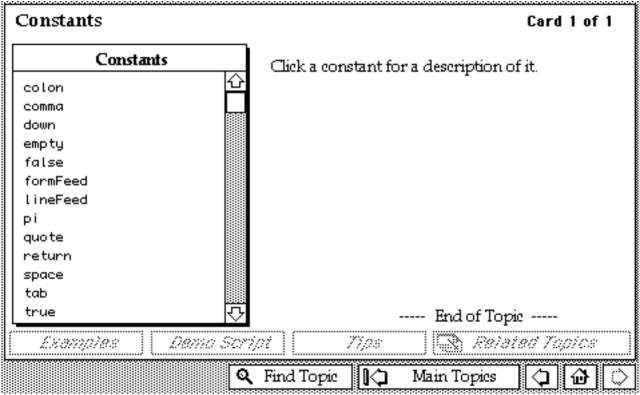












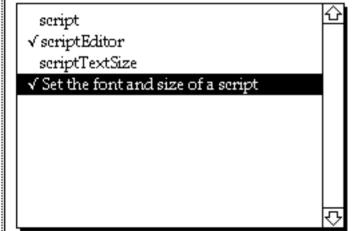
### Find Topic

To find topics related to a subject, type one or more words into the box and click Find. Or click one of the Sample Subjects.

්ට Go Back

### Related Topics

Topics related to: scriptTextFont



Click a related topic to go to it.

Related topics that you've already visited appear with a "\".

#### Overview of Help

What can I do?

Where am 1?

1 40

Where can I go?

want it to do.

This stack describes HyperTalk, HyperCard's script language. By writing your own scripts, you have much more control over HyperCard than is available using just the menu commands. You can make a stack do what you

If you're new to scripting, you should go through the third chapter of the HyperCard Reference Manual for some beginning practice.

You're currently in the **HyperTalk Reference** stack.

## Overview of Help

What can I do?

Where am 1?

you can:

• Click the **Find Topic** button at the bottom of every card.

to look for topics matching words that you enter.

Besides using the Main Topics card to locate topics,

Where can I go?

• Click the Examples, Demo Scripts, and Tips buttons at the bottom of a topic card to see more information. Click Related Topics to jump to other topics in this stack related to the one you're on.

Click active text (text with a thick gray underline)
 to see pop-up definitions. This includes HyperTalk
 placeholders (in italics) such as card

Back

# Overview of Help

Where am 1?
What can I do?

between them by choosing the one you want from the Help menu:

HyperCard has three Help stacks. You can move

- The HyperCard Help stack describes how to browse through and author HyperCard stacks.
  - This stack, the HyperTalk Reference stack, describes HyperTalk, the language you use to write scripts.
  - The Help Extras stack contains glossary items, tips, and troubleshooting information used by this stack and by the HyperCard Help stack.