



Working with the Status Bar

- To change default message displayed in browser window's status bar, use JavaScript command: windowObject.defaultStatus = value
 - where windowObject is an object reference to the browser window and value is text of status bar message
- To change transient or temporary message appearing in status bar, add these commands to the event handler function:

windowObject.status = value;
return true;

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Working with the History and Location Objects

- Location object contains information about the page currently displayed in the window
- History object holds a list of sites the Web browser displayed before reaching current page in the window

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Working with the History and Location Objects

- · Moving forward and backward in the history list:
 - To navigate history list within current browser window: history.back(); history.forward();
 - To use history objects in other browser windows:
 windowObject.history.back();
 - To navigate to a particular page in the history object: history.go(integer)

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Working with the History and Location Objects

- Automatic page navigation
 - To redirect users automatically from one page to another, add the meta element:
 - <meta http-equiv="Refresh" content="sec;URL=url" />
 - To redirect using JavaScript, run the code: setTimeout(function() {
 - location.href = url;
 }, milliseconds);
 - To avoid client-side redirection, run a server-side script that modifies HTTP 301 status code of HTTP header

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Creating New Browser Windows

- · Secondary window or pop-up window
 - Window that opens in addition to main browser window
- Opening new windows with HTML
 - For a link to open the target document in a new window, specify window name using target property:
 a href="url" target="name">link text

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Creating New Browser Windows

- Opening new windows with JavaScript
 - Offers more control and more options for creating new windows than target property does
 - To create a pop-up browser window: window.open(url,name,features)
 - To store a pop-up window as a JavaScript object:
 var windowObject = window.open(url, name, features)

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Creating New Browser Windows

- · Setting the features of a pop-up window
 - To define width and height of the pop-up window, add: width=x,height=y
 - Internet Explorer. To set screen position of pop-up, add: left=x,top=y
 - Other browsers: To set screen position of a pop-up, add: screenX=x,screenY=y
 - To display directory buttons, location box, menu bar, scroll bar, status bar, or toolbar, add:

directories=value,location=value,menubar=value, scrollbars=value,status=value,toolbar=value

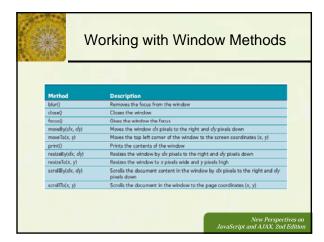
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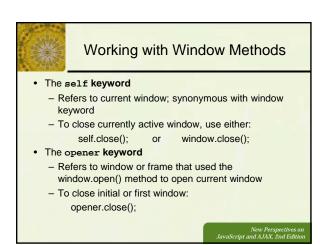


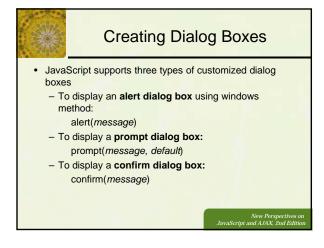
Creating New Browser Windows

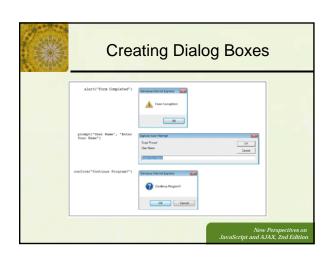
- · Working with pop-up blockers
 - Prevent pop-up windows from opening
 - Most block only automated pop-ups, not those activated by a user clicking a link to a pop-up window
 - Use JavaScript to determine whether pop-up window has been opened; if not, JavaScript can open the linked file in the current browser window
- Add a pop-up window to a web site with the popWin() function

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Exchanging Data Between Windows

- To write text to a browser window: windowObject.document.write(content); windowObject.document.close();
- To access an object within a browser window: windowObject.document.getElementById(id)
- To access a variable defined within a browser window: windowObject.variable
- To access a function defined within a browser: windowObject.function()

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Exchanging Data Between Windows

- · Creating a customized pop-up window
 - Parameters of the writeContent() function
 - The windowObj parameter
 - The choice parameter
 - · The guess parameter

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Modal and Modeless Windows

- Dialog boxes and windows can be either modal or modeless
 - A modal window prevents users from doing work in any other window or dialog box until the window is closed (e.g., alert dialog box in a browser window)
 - A modeless window allows users to work in other windows and dialog boxes even as that window stays open (e.g., pop-up windows)

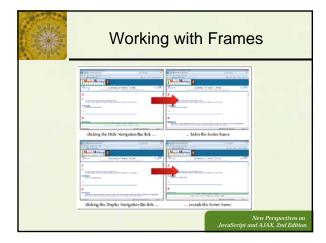
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Working with Frames

- Frames enable division of browser window into multiple panes; each frame displays a separate document
- Each panel is known as a frameset and is created using HTML code where each frame displays a separate URL
- A link that alternately hides and displays a frame provides more screen space to other frames

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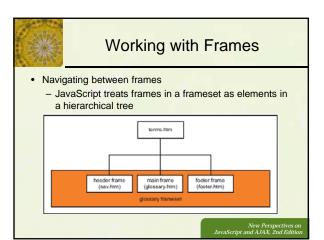
Working with Frames

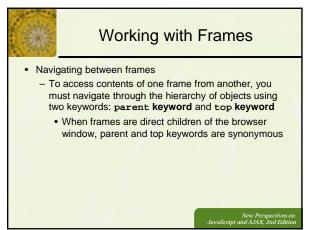
- · Working with the frame and frameset objects
 - To reference a particular frame in a frameset:
 windowObject.frames[idref]

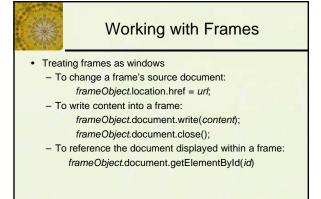
where *windowObject* is the browser window containing the frameset and *idref* is the id or index number of a frame in the frames collection

To reference a frameset element:
 document.getElementById(id)
 where id is the value of the id attribute in the
 <frameset> tag

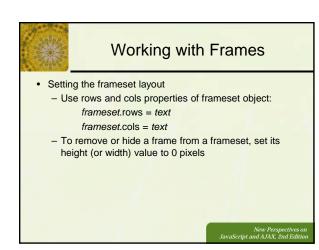
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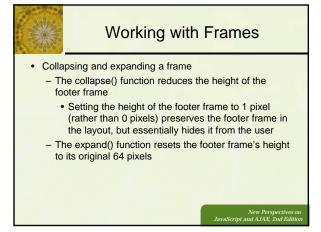


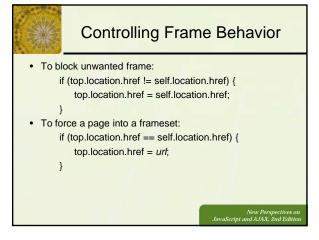




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Working with Inline Frames

- Inline frames appear as a separate window within the document
- To access the window object containing an inline frame document:

frameObject.documentWindow
where frameObject is the object reference to the inline
frame

• To access the document within an inline frame: frameObject.documentWindow.document

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Working with Inline Frames

• To access a variable defined within a document in an inline frame:

frameObject.documentWindow.variable where variable is the name of a global variable defined within the inline frame document

To access a function defined within a document in an inline frame:

frameObject.documentWindow.function()
where function is the name of a function defined within
the inline frame document

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