JavaScript & Document Object Model (DOM)

The contents and slides of this topic are used with permission from:

- Jennifer Robbins, Learning Web Design, O'Reilly, 5th edition, May 2018, ISBN 978-1-491-96020-2.
- Paul S. Wang, Dynamic Web programming and HTML5, Routledge, 1 edition, 2012, ISBN 1439871825.

























• Compa that ev	r ison operators a valuate and compa	re special characters in JavaScript syntax re values:
	▶ ==	Is equal to
	▶ !=	Is not equal to
	► === same	Is identical to (equal to and of the data type)
	▶ !==	Is not identical to
	>	Is greater than
	>=	Is greater than or equal to
	▶ <	Is less than
	▶ <=	Is less than or equal to



















The Brov	vser Object
 JavaScript le window obje 	ts you manipulate parts of the browser window itself (the ct).
Examples of	window properties and methods:
Property/Method	Description
event	Represents the state of an event
history	Contains the URLs the user has visited within a browser window
location	Gives read/write access to the URI in the address bar
status	Sets or returns the text in the status bar of the window
alert()	Displays an alert box with a specified message and an OK button
close()	Closes the current window
confirm()	Displays a dialog box with a specified message and an OK and a Cancel button
	Sats focus on the current window







Document Object Model (DOM)

- What the DOM is
- > Accessing and changing elements, attributes, and contents
- Polyfills
- JavaScript libraries

27







Accessing Nodes

- ▶ To point to nodes, list them separated by periods (.).
- In this example, the variable foo is set to the HTML content of an element with id="beginner":
- var foo = document.getElementById("beginner").innerHTML;
- The document object points to the page itself.
- f getElementById specifies an element with the id "beginner".
- innerHTML stands for the HTML content within that element.











Adding and Removing Elements

- The DOM allows developers to change the document structure by adding and removing nodes:
 - createElement()
 - createTextNode()
 - + appendChild()
 - + insertBefore()
 - + replaceChild()
 - + removeChild()



