

Javascripting

Tuition: \$ 225 Hours: 6

Prerequisite: Solid knowledge of HTML, solid knowledge of standard programming techniques, some knowledge of object-based programming techniques.

Course Description: Understand what JavaScript is, what it can do, and how it works: Display messages in the Netscape status bar, create scrolling text banners, a RoloURL, validate and submit user-entered HTML form data, generate an HTML table to display a monthly calendar in its own window, manage the final multiframe JavaScript Central! home page.



Course Content

Getting started with JavaScript

- JavaScript: What is it?
- JavaScript: What can it do?
- JavaScript: How does it work?

JavaScript scripting basics, part 1

- Displaying messages in the Netscape status bar
- Displaying the current date
- Displaying and dynamically updating the current time

JavaScript scripting basics, part 2

- Creating scrolling text banners
- Creating a RoloURL to access URLs from a list

Validating user-entered data

- Validating user-entered text data
- Validating user-entered numeric data
- Validating user-entered check box data
- Enabling the Surveys Submit button

Generating tables and windows

- Generating an HTML table to display a monthly calendar
- Displaying the current month in the calendar table
- Enabling users to display other months
- Displaying the calendar in its own window

Managing frames

- Laying out the final multiframe JavaScript Central! page
- Displaying documents in windows and frames
- Creating Back and Forward frame-history navigation buttons

Mastering JavaScript: Part 2

Course content

Lesson 1: Using Frames

- What are Frames?
- The Frames Array
- Opening Multiple Frames
- Keeping Frames Intact

Lesson 2: Using Cookies

- What is a Cookie?
- Ingredients of a Cookie
- Creating Cookies in JavaScript
- Cookies and Forms

Lesson 3: Understanding Databases

- Understanding JavaScript Databases
- Querying a JavaScript Database
- Querying a Non-JavaScript Database

Lesson 4: Using Menus

- Understanding DHTML
- Using the Menu Component
- Designing Menus
- Creating Better Navigation Elements

Lesson 5: Learning JavaScript 1.3

- Using JavaScript and ECMA
- Understanding Unicode
- Using Conditional Statements
- Using the JavaScript Console

Lesson 6: Debugging JavaScript

- Introduction to Debugging
- Load-time and Runtime Errors
- Logic Errors
- Debugging in Netscape
- Debugging in MS Explorer
- Where to Get Help

Lesson 7: JavaScript Programming Style

- Using JS Files
- Knowing Browser Differences

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- Developing a Scripting Style