

Course overview:

JavaScript: Basic

(S216eng)



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Overview and objectives

Students will get the most out of this one-day course if their goal is to become proficient Web page designers by using JavaScript. They'll know how to use variables, operators, functions, objects, and write scripts for form elements.

After completing this course, students will know how to:

Identify the advantages of JavaScript and use the <SCRIPT> tag.

Use variables, data types, functions, operators, and control structures.

Identify JavaScript objects and use Date and String objects.

Write to a Web page using document.write() and create a new window using the window.open() method.

Handle events on a form and write scripts for list boxes, check boxes, and radio buttons

Who should attend?

Students should have familiarity with personal computers and the use of the keyboard and mouse. Students should have completed HTML Basic and Intermediate courses or have equivalent knowledge and experience. In addition, students should have a knowledge of programming logic and techniques, and the basic concepts of object-oriented programming.

Introducing JavaScript

- Understanding scripting • Browsing active Web pages

Integrating JavaScript with HTML

- Using the SCRIPT tag to write JavaScript code • Writing JavaScript code in an external file

Using variables, data types, and functions

- Declaring variables of different data types • Assigning and displaying the values of variables • Using standard JavaScript functions • Writing user defined functions

Using JavaScript operators

- Using arithmetic operators • Using comparison operators • Using boolean operators

Using control structures

- Using the if...else conditional statement • Using the for loop • Using the while loop

Understanding objects, methods, and properties

- Understanding objects, methods, and properties

Working with Date and String objects

- Displaying the current date and time on a Web page • Finding the length of a string

Writing to a Web page

- Using the write and writeln methods • Displaying the last modified date on a Web page
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Creating new windows

- Opening a new window from a Web page using JavaScript • Changing the attributes of a window

Handling events on a form

- Accessing form elements • Understanding event handling • Writing an event handler for the Submit button • Validating data entered in a text box

Scripting for form elements

- Reading value from a list box • Finding the status of a check box • Finding the status of a radio button

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