

# JavaScript Demystified

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## COURSE OVERVIEW

Visually exciting and compelling Web pages are key components to a successful Web strategy. This course provides hands-on experience with writing client-side JavaScript. You will learn how to integrate JavaScript into your Web pages and create an interactive and dynamic Web site. You also learn how to take advantage of best practices and development techniques.

## WHO SHOULD ATTEND

Those involved in establishing, developing or maintaining a Web site. Some experience in Web pages development with HTML is assumed. An understanding of programming concepts will be helpful but not necessary.

## DURATION TIME

2 Days

9.00 am - 6.00 pm

## COURSE OUTLINE

### Understanding JavaScript

- Web Scripting Basics
- Fitting JavaScript into a Web Page
- Browsers & JavaScript

### Creating a Simple JavaScript

- Beginning the Script
- Adding JavaScript Statements
- Creating Output
- Adding the Script to a Web Page

### How JavaScript Programs Work

- Combining Tasks with Functions
- Understanding Objects & Handling Events
- Conditional Statements & Loops
- Using Comments

### Using Functions and Variables

- Using Functions, Expressions & Operators
- Using Variables & Data Types
- Data Types Conversions

### Using Strings and Arrays

- Using String Objects
- Working with Substrings
- Using Numeric Arrays & String Arrays
- Sorting a Numeric Array

### Testing and Comparing Values

- The if Statement
- Using Shorthand Conditional Expressions
- Using Multiple Conditions with switch

### Repeating Codes with Loops

- Using the For & While Loops
- Using Do...While Loops

### Using Math and Date Functions

- Understanding Object
- The Math Object
- Working with Dates

### Responding to Events

- Understanding Event Handlers
- Using Mouse Events
- Using Keyboard Events
- Using the onLoad and onUnload Events

### Using Windows

- Controlling Windows with Objects
- Moving and Resizing Windows
- Using Timeouts
- Displaying Dialog Boxes

### Getting Data with Forms

- The Basics of HTML Forms
- Using the form Object with JavaScript
- Scripting Form Elements
- Displaying Data from a Form
- Sending Form Results by Email
- Validating a Form