

Java Script Programming

Duration 2 Days

COURSE DESCRIPTION

This course will provide knowledge on how to work effectively with JavaScript frameworks, functions, and modern browsers, and teaches more effective coding practices using HTML5.

COURSE OUTLINE

Introduction to JavaScript & the Web

- Introduction to JavaScript
- Where Do My Scripts Go?
- Your First Simple JavaScript Program
- Writing More JavaScript
- A Brief Look at Browsers and Compatibility Problems

Data Types & Variables

- Types of Data in JavaScript
- Variables - Storing Data in Memory
- Using Data - Calculations and Basic String Manipulations
- Data Type Conversion
- Arrays

Decisions & Loops

- Decision Making—The if and switch Statements
- Looping—The for and while Statements

Functions & Scope

- Creating Your Own Functions
- Scope and Lifetime
- Functions and Values

JavaScript - An Object-Based Language

- Object-Based Programming
- JavaScript's Native Object Types
- Creating Your Own Custom Objects
- Creating New Types of Objects (Reference Types)

DOM Scripting

- The Web Standards
- The Document Object Model
- Manipulating the DOM

Events

- Types of Events
- Connecting Code to Events
- The Standard Event Model
- Event Handling in Old Versions of Internet Explorer
- Writing Cross-Browser Code
- Native Drag and Drop

Common Mistakes, Debugging, & Error Handling

- D'oh! I Can't Believe I Just Did That: Some Common Mistakes
- Error Handling
- Debugging

WHO SHOULD ATTEND

- Web Developer