

Introduction to JavaScripting

(2 days)

Background

This two day Introduction to JavaScripting course is designed to give you the scripting knowledge to add interactivity to your website and to enable you to provide your site's users with a richer, more responsive experience. This is a practical 'hands-on' course which assumes no previous programming knowledge.

The course will teach you to use JavaScripts to test which browser version is being used and to direct the user to the right page for their browser, to embed JavaScripts in HTML pages, create rollovers for buttons, cookies, verify information entered into on-line forms and customise the information being presented to your site's users.

Course Outline

DAY ONE

INTRODUCTION

JavaScript and Java
What can JavaScript do?
Embedding JavaScripts in HTML
JavaScript comments
Dealing with non-JavaScript browsers
Creating external .js files

BASIC OBJECT ORIENTED CONCEPTS

Objects - properties, methods and events
Understanding Dot syntax

BROWSER OBJECT MODELS

Understanding the cross-browser DOM
Understanding object properties

EVENT HANDLERS

What are Events?
Using OnClick
Using OnMouseOver
Using OnMouseOut

PROGRAMMING CONCEPTS

Introducing variables and datatypes
Local and global variables
What are operators and comparators?
Assigning values to variables
Understanding and writing your own variables with functions

CONDITIONALS AND LOOPS

Using 'if else', 'switch' case
Using 'for', 'do' and 'while' loops

CREATING SIMPLE SCRIPTS

Creating a JavaScript alert
Using the confirm() and prompt() methods
Detecting different browser versions

CREATING VISUAL EFFECTS

Creating and triggering a rollover
Preloading images for rollovers
Creating disjointed rollovers

QUESTIONS AND ANSWERS

DAY TWO

CREATING ANIMATING GRAPHICS

Learning to use arrays and timeout() methods
Creating banners
Cycling banners

GLOBAL JAVASCRIPT CONCEPTS

Global methods

GLOBAL JAVASCRIPT OBJECTS

Using the Date object
Using the Array object
Understanding the String and Math object

WORKING WITH FRAMES

Using framesets
Frame hierarchy
Loading frames
Using functions to control frames

WORKING WITH FORMS

Using JavaScripts to validate information typed into forms
Using the String object
Checking data in multiple fields
Checking for specific characters

JAVASCRIPT AND BROWSER WINDOWS

Opening and closing browser windows
Referring to windows
Controlling window content
Creating a control panel
Updating parent windows

USING COOKIES

What cookies can and can't do
Writing and reading cookies

JAVASCRIPT GOOD PRACTICE

Common JavaScript errors
Building a collection of scripts
Learning to read JavaScript

QUESTIONS AND ANSWERS



0845 644 1712