

Instructor Notes:

JavaScript ES 6
Lesson 00:



Instructor Notes:

Lesson Objectives

Course Goals:

- At the end of this course you will be able to:
- Add interactivity to the static HTML pages
- Validate the input data provided by users, on the client side
- Manipulate style sheets on the fly to give a sophisticated look to any website

Course Non Goals:

- Server-side scripting not covered.



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Pre-requisites



Prerequisites for this course are:

- Familiarity with Windows, GUI Concept and Web Browser Application
- HTML
- Experience of creation of a web page using HTML
- Object Oriented Programming Concepts

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Intended Audience

This course is designed for:

- Trainee Programmers
- Software Professionals



Instructor Notes:

Day Wise Schedule



Day 1

- Lesson 1: Introduction to JavaScript
- Lesson 2: JavaScript Language
- Lesson 3: Working with Predefined Core Objects
- Lesson 4: Working with Arrays

Day 2

- Lesson 5: Document Object Model
- Lesson 6: Working with Document object
- Lesson 7: Working with Form object

Day 3

- Lesson 8: Working with Regular Expressions
- Lesson 9 : Closures, Callbacks, and Recursion - new

Day 4

- Lesson 10: Advance JavaScript
- Lesson 11: Ajax Development
- Lesson 12 : JavaScript Best Practices - new

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Day Wise Schedule



Day 5

- Lesson 13: ES6 Introduction
- Lesson 14: New syntax-based features & New types
- Lesson 15: Working with Classes

Day 6

- Lesson 16: Arrays & Collections
- Lesson 17: ES6-Extensions
- Lesson 18 :Asynchronous Programming in ES6

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Table of Contents



Lesson 1: Introduction to JavaScript

- 1.1. Basic Concepts of JavaScript
- 1.2. Embedding JavaScript in HTML
- 1.3 Writing JavaScript

Lesson 2: JavaScript Language

- 2.1. Data Types and Variables
- 2.2. JavaScript Operators
- 2.3. Control Structures and Loops
- 2.4. JavaScript Functions

Lesson 3: Working with Predefined Core Objects

- 3.1. Data Types in JavaScript
- 3.2. Overview of String object
- 3.3. Math object
- 3.4 Date object

Instructor Notes:

Table of Contents



Lesson 4: Working with Arrays

- 4.1. Array Object
- 4.2. Properties and Methods of Array object

Lesson 5: Document Object Model

- 5.1. JavaScript Document Object Model
- 5.2. Window object

Lesson 6: Working With Document Object

- 6.1. Document Objects

Instructor Notes:

Table of Contents



Lesson 7: Working with Form Object

- 7.1. Form properties, Methods & Event handlers
- 7.2. Text-Related Objects
- 7.3. Button Objects
- 7.4. Check Box and Radio Objects
- 7.5. Select Objects

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References



JavaScript: A Beginner's Guide - by John Pollock
<http://www.w3schools.com>



Instructor Notes:

Next Step Courses (if applicable)

Servlet

JSP

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Other Parallel Technology Areas



VBScript