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Document History

| Date | Course Version No. | Software Version No. | Developer / SME | Change Record Remarks |
|-------------|--------------------|----------------------|-----------------|---|
| 19-Sep-2009 | 2.0 | NA | Pradnya Jagtap | Updated to new template. And incorporated new examples. |
| Apr-2011 | 3.0 | NA | Anu Mitra | Integration updates |
| Apr-2015 | 3.1 | NA | Rathnajothi P | Revamped according to revised curriculum |

Course Goals and Non Goals

➤ 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
 - Offload routine tasks from the server to the client side



➤ Course Non Goals:

- Server-side scripting not covered.

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

Intended Audience

➤ **This course is designed for:**

- Trainee Programmers
- Software Professionals



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SAP TRAINING

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
- Lesson 5: Document Object Model

➤ Day 2

- Lesson 6: Working with Document object
- Lesson 7: Working with Form object
- Lesson 8: Working with Regular Expressions

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➤ **Lesson 1: Introduction to JavaScript**

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

➤ **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, Math, Data objects

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➤ **Lesson 4: Working with Arrays**

- 4.1. Array Objects
- 4.2. Properties and Methods of Array objects

➤ **Lesson 5: Document Object Model**

- 5.1. JavaScript Document Object Model
- 5.2. Window object, Frame, and Navigator Object
- 5.3. Working with Location Object
- 5.4. Working with History Object

➤ **Lesson 6: Working With Document Object**

- 6.1. Document Objects
- 6.2. Link and Anchor Objects

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➤ 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
- 7.6. Validate Data and Form Submission

➤ Lesson 8: Work with Regular Expressions

- 8.1. Use regular expressions
- 8.2. Search using simple patterns
- 8.3. Search using special characters
- 8.4. Work with RegExp objects

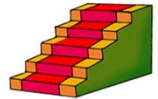
References

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



Next Step Courses (if applicable)

- **Servlet**
- **JSP**



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Other Parallel Technology Areas

➤ VBScript