

JavaScript Training Course Content

CHAPTER 1: INTRODUCTION TO WEB APPLICATION

- What is Web application?
- Architecture of Web Application.
- Difference between Scripting language and Programming language.
- Where to write JavaScript?

CHAPTER 2: JAVASCRIPT INTRODUCTION

- Introduction to Client Side Scripting
- Introduction to JavaScript
- Display methods in JavaScript
- Variables in JavaScript
- Rules to create variables in JS
- What is variable declaration and What is variable definition?
- Variable Scopes
- List of Data Types in JavaScript

CHAPTER 3: JS EVENTS

- What is Event in JS ?
- Onload, Onunload, Onsubmit, OnFocus, Onchange Event, Onblur Event, Onmouseover, Onclick, Ondblclick Events, etc.,

CHAPTER 4 : FUNCTIONS IN JAVASCRIPT

- What is function?
- How to define Functions in JS.
- What are the functions available in JS?
- Function Invocation Types.
- How to pass Parameters in Function

CHAPTER 5 : INBUILT METHODS IN JS

- String inbuilt methods
- Number and Math inbuilt methods
- Array inbuilt methods

CHAPTER 6 : JS ARRAYS

- What is Array ?
- How to retrieve Array Value ?
- How to Manipulate (Add, Edit, Delete) Array Elements ?
- Array Sort.

CHAPTER 7: JS OBJECTS

- What is Object in JS ?
- Object Structure in JS ?
- Object Properties and Methods.
- How to add New Properties and Methods in Existing Object ?
- 3 Types of Object Creation in JS

CHAPTER 8: CONDITIONAL AND LOOPS IN JAVASCRIPT

- Conditions Statements (If, If Else, Switch)
- Java Script Loops (For Loop, While Loop, Do While Loop and for in loop)
- JS Popup Boxes (Alert, Prompt, Confirm)

Practical:

- Client Side Form Validations.
- Simple Calculator using Switch Case.

CHAPTER 9: HTML DOM MANIPULATION

- DOM Introduction.
- Methods of Finding HTML Elements.
- Methods of Changing HTML Elements.
- Methods of Add/Delete HTML Elements.
- Event Listener Overview.

Practical:

- Slide Show using JavaScript.
- Simple Animations Using JavaScript

CHAPTER 10: TIMER FUNCTIONS IN JAVASCRIPT

- What is timer function?
- setTimeout() – overview

- setInterval() – overview

Practical:

- Simple Animation by using setInterval method.
- Timer by using setInterval and setTimeout

CHAPTER 11: JSON

- What is JSON?
- Purpose of the JSON
- How to convert JS object into JSON object?
- How to convert JSON object into JS object?
- How to parse complex JSON Data Structure.

CHAPTER 12 : AJAX

- What is AJAX?
- Synchronous vs Asynchronous
- What is XMLHttpRequest Object?
- What are the properties and methods available in XMLHttpRequest Object?
- How to receive HTTP response?

Practical:

- Get movie details from IMDB by using AJAX call.

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Know more about [Javascript](#)



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