

Web Development



1. HTML 4 and HTML 5

- A. Introduction of HTML
- B. Tag, Elements and Attributes
- C. Basics syntax
- D. Table
- E. List
- F. Forms
- G. Structure of HTML4 and HTML5
- H. Semantic and non-semantic tags
- I. HTML 5 Features
- J. New Input type
- K. Forms Attribute
- L. SVG
- M. Canvas
- N. Audio, Video Tag

2. CSS (Cascading Style Sheet)

- A. Attributes (ID, Class, Style, Title)
- B. CSS Types (Inline, Internal, External)
- C. Box-model
- D. Display Property (Block, Inline, None)
- E. Visibility-Hidden
- F. Position Property(Static, Relative, Absolute, Fixed)
- G. Z-index Property
- H. Combinators (Descendant Selector, Child Selector, Adjacent Sibling Selector, General Sibling Selector)
- I. CSS Pseudo-classes (Link, Visited, Hover, Active)
- J. CSS Pseudo-elements (First Line, First Letter, Before, After ,Selection)
- K. Static Web Page
- L. Viewport Meta tag

3. CSS 3

- A. Background, Multiple Backgrounds
- B. Font Related Features (online fonts)
- C. Text-Effect and Box-Effect
- D. Gradients-Linear and Radial
- E. Transition
- F. Transformation

- G. Animation
- H. Media Queries

4. Bootstrap

- A. Introduction of Bootstrap (Responsive)
- B. Typography
- C. Tables
- D. Images, Buttons
- E. Grid Structure-Type of columns
- F. Forms
- G. Jumbotron,
- H. well,
- I. Panel
- J. Navbar, Nav Tab
- K. Carousel
- L. Responsive Web Page

5. JavaScript

- A. Introduction of JavaScript
- B. Use of JavaScript
- C. Variables
- D. Keywords
- E. Data Type (Primitive, non-primitive)
- F. JS Conditions (if, if-else)
- G. Conditional operators & logical operators
- H. Loops (for, while, do-while)
- I. Switch Case
- J. Functions
- K. Set Timeout and set Interval Function
- L. HTML DOM
- M. Use the document object to access and manipulate HTML
- N. Changing HTML Elements
- O. Adding and Deleting Elements
- P. Array
- Q. Objects
- R. How to access Objects (Dot Notation, bracket Notation)
- S. Object Creation (Empty Object, Literal Way, Constructor Way)
- T. Prototype
- U. Validations
- V. Events

6. jQuery

1. Introduction

- A. JQuery Library
- B. First JQuery Example
- C. The Document Ready Function
- D. How to escape a special character

2. Selectors

- A. Basic Selectors
- B. Precise Selectors
- C. Combination of Selectors
- D. Hierarchy Selectors
- E. Selection Index Filters
- F. Visibility Filters
- G. Forms Selectors
- H. Forms Filters

3. Find Dropdown Selected Item

4. Document Traversal

- A. Getting a specific DOM element

5. Event

- A. Events Helpers
- B. Attach Event
- C. Detaching Events
- D. Events Triggering

6. HTML Manipulation

7. AJAX with jQuery

8. JSON Introduction