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Web Designing

Introduction to Websites

What is a Webpage
Introduction to HTML
Creating a simple HTML Document
Viewing HTML Document with Browsers
Introduction to different Web Browsers – IE, Chrome, Mozilla, Safari, UC Browser
Webpage Vs Website
URLs / Domains
Web Servers and Web Hosting

HTML

Elements of a HTML Document
Understanding HTML Tags
HTML Editors
Creating a Simple HTML Document
Adding Attributes to Tags
Handling Texts in HTML
Headings
Paragraphs
Formatting Texts
Managing Blocks with <Div> Tag
<Div> - Id's and Class
Line Breaks
Managing Lists
HTML Styles
Controlling Fonts and Size
Alignment
Applying Colors
Foreground and background colors
HTML Tables
Creating a Table
Managing Columns
Table Borders
Border Spacing

Handling Images

- Adding Image
- Formatting Image
- Handling Size of an Image
- Aligning Images
- Adding Animated Images
- Background Images

Handling Layouts

HTML Forms

Introduction to HTML Forms

Form Elements

Form Input and Attributes

Introducing HTML 5

- HTML Vs HTML 5
- New Elements in HTML 5
- New Form Elements in HTML 5
- Handling Audio & Video
- Handling Graphics
- Canvas
- Handling SVG
- Handling Events
- HTML 5 APIs
- Geolocation
- Drag / Drop
- Web Storage
- Advantage of Web Storage over Cookies
- Session based Web Storage

Introducing CSS and CSS 3

- What is a Style Sheet
- Cascading Effect of a Style Sheet
- Inline and External CSS
- CSS Selectors – IDs and Classes
- Understanding Layouts
- Absolute, Relative and Fixed Positioning

Advanced CSS
Transformations

Responsive Layouts and Media Queries

Simplifying CSS with Bootstrap

Introducing Bootstrap Framework

Advantages of Bootstrap Framework over CSS

Responsiveness with Bootstrap

Bootstrap Grids

Bootstrap UI Components

Buttons, Tables, Menus, Carousels, Dropdowns, Alerts

Javascript

Introduction to Javascript

Necessity for Javascript

Javascript Structure and Elements

Operators and Functions

Control Structures

The Document Object Model (DOM), Objects and Nodes

Handling DOM using Javascript

Javascript Events

Animating UI Elements

Jquery Framework

What is JQuery Framework

Advantages of JQuery

Integrating JQuery through CDNs

Understanding JQuery Selectors

UI Components

Buttons, Lists, Toolbars, Menus,

Handling Forms using JQuery

Jquery Events

Understanding Ajax

Implementing Ajax

Importance of Apache Server

Configuring PHP and setting up the Environment

Working with Editors

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