

HTML5

Introduction to HTML

- What is HTML?
- History of HTML
- HTML Development IDE
- HTML Page Structure
- Introduction to HTML5
- HTML5 Document
- Browsers Support and Advantages

HTML5 Basics: Tags, Elements and Attributes

- HTML Tags
- HTML Elements and Attributes
- HTML Formatting and Styles
- HTML Layouts
- HTML Blocks and Inline Elements
- Empty Elements And Nested Elements
- HTML Quotation and Citation Elements
- HTML CSS

HTML5 Tables, Lists and Layouts

- HTML Tables – Columns, Row, Border, Padding
- HTML Lists – Order and Unorder List
- What is HTML Layouts?
- Table Based Layout
- Div Based Layout
- HTML5 Structure Based Layout

HTML5 Forms, Media and Storage

- HTML5 New Input Elements
- HTML5 Forms Attributes
- HTML5 Validations
- HTML Media
- HTML Audio
- HTML Video
- HTML and JavaScript
- HTML Storage API
- HTML Graphics

CSS 3

CSS3 Fundamentals

- Introduction to CSS
- CSS3 Selectors
- Pseudo Elements and Pseudo Classes
- Types of CSS
- CSS Fonts and CSS Text
- CSS Box Model
- Margin, Padding and Border
- Position and Colors
- CSS Background and Gradients

CSS3 Advanced Concepts

- CSS Units
- CSS Layout
- Media Queries
- CSS Functions
- Transforms – 2D and 3D
- Transitions and Animations
- CSS Shadow

Bootstrap 5

Getting Started with Bootstrap 5

- Introduction to Bootstrap
- Bootstrap Installation Options
- Introduction to Bootstrap 5
- Layouts and Grid System
- Alignments and Offsets

Bootstrap 5 Flexbox, Style and Utilities

- Flexbox
- Typography
- Colors
- Utilities

Bootstrap 5 CSS Components: Images, List, Tables, Button and Cards

- Images and Lists
- Bootstrap Tables
- Buttons, Badges
- Cards, Media Objects

Bootstrap 5 CSS Components: Forms, Navbars, Pagination and Spinners

- Forms and Validations
- Nav, Navbar
- Breadcrumb and Pagination
- Progress bars and Spinners

JavaScript

Writing Your First JavaScript Program

- Introducing Programming
- How to Add JavaScript to a Page
- Your First JavaScript Program
- Writing Text on a Web Page
- Attaching an External JavaScript File
- Tracking Down Errors

The Grammar of JavaScript

- Statements
- Commands
- Types of Data
- Variables
- Working with Data Types and Variables
- Tutorial: Using Variables to Create Messages
- Tutorial: Asking for Information
- Arrays
- Tutorial: Writing to a Web Page Using Arrays
- Comments

Adding Logic and Control to Your Programs

- Making Programs React Intelligently
- Tutorial: Using Conditional Statements
- Handling Repetitive Tasks with Loops
- Functions: Turn Useful Code Into Reusable Commands

Working with Words, Numbers, and Dates

- A Quick Object Lesson
- Strings
- Finding Patterns in Strings
- Numbers
- Dates and Times
- Tutorial

Improving Navigation

- Some Link Basics
- Opening External Links in a New Window
- Creating New Windows
- Opening Pages in a Window on the Page
- Tutorial: Making Bigger Links
- Animated Navigation Menus

Enhancing Web Forms

- Understanding Forms
- Adding Smarts to Your Forms
- Tutorial: Basic Form Enhancements
- Form Validation
- Validation Tutorial

Expanding Your Interface

- Hiding Information with Accordion Panels
- Organizing Information in Tabbed Panels
- Tooltips
- Creating Sortable Tables

Introducing Ajax

- What Is Ajax?
- Ajax: The Basics
- Ajax the jQuery Way
- JSON

Basic Ajax Programming

- Tabs Plug-in
- Adding Google Maps to Your Site