



css



COURSE OUTLINE

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- 01 INTRODUCTION TO CSS**
 - 02 CSS SELECTORS AND PROPERTIES**
 - 03 CSS BOX MODEL**
 - 04 STYLING TEXT AND FONTS**
 - 05 CSS LAYOUTS**
 - 06 RESPONSIVE DESIGN**
 - 07 ADVANCED CSS TECHNIQUES**

Module 1: Introduction to CSS

- 1.1 What is CSS?
 - Definition and Purpose
 - Benefits of Using CSS
- 1.2 How CSS Works
 - CSS Syntax
 - Selectors, Properties, and Values
- 1.3 Adding CSS to HTML
 - Inline CSS
 - Internal CSS
 - External CSS

Module 2: CSS Selectors and Properties

- 2.1 Basic Selectors
 - Type, Class, and ID Selectors
- 2.2 Grouping and Nesting Selectors
 - Grouping
 - Descendant, Child, Sibling Selectors
- 2.3 Attribute Selectors
 - Syntax and Usage
- 2.4 Pseudo-Classes and Pseudo-Elements
 - `:link`, `:visited`, `:hover`, `:active`, `:focus`
 - `::before`, `::after`

Module 3: CSS Box Model

- 3.1 Understanding the Box Model
 - Content, Padding, Border, Margin
- 3.2 Box Sizing
 - Box-sizing: content-box vs. border-box
- 3.3 Display and Visibility
 - Block, Inline, Inline-Block, None
 - Visibility Property

Module 4: Styling Text and Fonts

- **4.1 Font Properties**
 - font-family, font-size, font-style, font-weight
- **4.2 Text Properties**
 - color, text-align, text-decoration, text-transform
- **4.3 Line and Letter Spacing**
 - line-height, letter-spacing, word-spacing
- **4.4 Web Fonts**
 - @font-face Rule
 - Google Fonts Integration

Module 5: CSS Layouts

- **5.1 Positioning**
 - Static, Relative, Absolute, Fixed, Sticky
- **5.2 Flexbox**
 - Flex Container and Flex Items
 - Main Axis and Cross Axis
 - Flex Properties (justify-content, align-items, etc.)
- **5.3 CSS Grid**
 - Grid Container and Grid Items
 - Defining Rows and Columns
 - Grid Areas

Module 6: Responsive Design

- 6.1 Media Queries
 - Breakpoints and Viewport
 - Syntax and Usage
- 6.2 Responsive Units
 - Em, Rem, Vw, Vh
- 6.3 Mobile-First Design
 - Concepts and Strategies

Module 7: Advanced CSS Techniques

- **7.1 CSS Transitions**
 - Transition Properties
 - Timing Functions
- **7.2 CSS Animations**
 - Keyframes
 - Animation Properties
- **7.3 CSS Variables**
 - Declaring and Using Variables
- **7.4 CSS Preprocessors**
 - Introduction to Sass and LESS
 - Variables, Nesting, and Mixins



