

HTML & CSS



e-Learning Course

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Module 1: Introduction to HTML

- What is HTML?
- Basic structure of an HTML document
- HTML elements & tags
- Headings (<h1> - <h6>)
- Paragraphs (<p>)
- Lists (, ,)
- Links (<a>)
- Images ()
- Attributes in HTML

Module 2: HTML Forms & Input Elements

- Forms (<form>)
- Input fields (<input>, type attributes)
- Buttons (<button>, <input type="submit">)
- Dropdowns (<select>, <option>)
- Checkboxes & radio buttons
- Textareas (<textarea>)
- Form validation & labels

Module 3: HTML Tables & Media

- Creating tables (<table>, <tr>, <td>, <th>)
- Adding captions & headers
- Merging cells (colspan, rowspan)
- Embedding audio (<audio>)
- Embedding video (<video>)
- Using iframes (<iframe>)

Module 4: Introduction to CSS

- What is CSS?
- CSS syntax & rules
- Adding CSS to HTML (inline, internal, external)
- CSS selectors & combinators
- Colors, backgrounds, and gradients
- Borders, margins, and padding (Box Model)

Module 5: Typography & Styling Elements

- Fonts & Google Fonts
- Text properties (font-size, color, text-align)
- Styling links & buttons
- CSS variables (--variable)
- Icons & SVGs

Module 6: CSS Layouts & Positioning

- Display types (block, inline, inline-block)
- Positioning (static, relative, absolute, fixed, sticky)
- Float & clear
- Flexbox basics & properties
- Grid layout basics

Module 7: Responsive Web Design

- What is responsiveness?
- Media queries (@media)
- Viewport & units (vw, vh, %)
- Responsive images & typography
- Mobile-first design

Module 8: Advanced CSS & Animations

- CSS transitions & transformations (scale, rotate, translate)
- CSS animations (@keyframes)
- Hover & focus effects
- Dark mode styling
- Using CSS preprocessors (SCSS basics)

Module 9: CSS Frameworks & Best Practices

- Introduction to Bootstrap
- CSS frameworks (Tailwind, Bulma, Foundation)
- Best practices for writing clean CSS
- Performance optimization (minification, lazy loading)

Module 10: Hands-On Projects & Final Assessment

- Build a personal portfolio
- Create a responsive landing page
- Styling a blog layout
- Real-world website cloning (Amazon, Netflix, etc.)