

# 1. Introduction to HTML

1.1 What is HTML?

1.2 History and Evolution of HTML

1.3 Basics of Web Development

1.4 Tools for Writing HTML

# 2. HTML Structure

2.1 Basic HTML Document Structure

2.2 DOCTYPE Declaration

2.3 HTML Tags, Elements, and Attributes

2.4 Nested and Empty Elements

# 3. Text and Formatting

3.1 Headings (`<h1>` to `<h6>`)

3.2 Paragraphs (`<p>`)

3.3 Text Formatting Tags (e.g., `<b>`, `<i>`, `<strong>`, `<em>`)

3.4 Line Breaks (`<br>`) and Horizontal Rules (`<hr>`)

# 4. Working with Links

4.1 Anchor Tags (`<a>`)

4.2 Internal and External Links

4.3 Linking to Email and Phone Numbers

4.4 Adding `target` and `rel` Attributes

# 5. Images in HTML



5.1 Adding Images with `<img>` Tag

5.2 Attributes: `src`, `alt`, `width`, and `height`

5.3 Image Optimization for Web

## 6. Lists

6.1 Ordered Lists (`<ol>`)

6.2 Unordered Lists (`<ul>`)

6.3 Nested Lists

6.4 Definition Lists (`<dl>`)

## 7. Tables

7.1 Creating a Basic Table

7.2 Table Headers, Rows, and Cells

7.3 Spanning Rows and Columns (`rowspan` and `colspan`)

7.4 Table Styling with Attributes

## 8. Forms

8.1 Form Basics and Structure (`<form>`)

8.2 Input Types (`<input>`, `<textarea>`, `<select>`)

8.3 Form Attributes (`action`, `method`, `name`)

8.4 Validation and Placeholder Text

## 9. Multimedia in HTML

9.1 Embedding Videos (`<video>`)

9.2 Embedding Audio (`<audio>`)

9.3 Using `<iframe>` for Embedding Content

## 10. Semantic HTML

10.1 Introduction to Semantic Elements

10.2 Common Tags: `<header>`, `<footer>`, `<article>`, `<section>`

10.3 Accessibility and SEO Benefits

## 11. Advanced Topics

11.1 HTML5 New Features

11.2 Global Attributes

11.3 Data Attributes (`data-*`)

11.4 HTML APIs (Drag and Drop, Geolocation)

## 12. Best Practices

12.1 Writing Clean and Organized Code

12.2 Proper Use of Indentation and Comments

12.3 Avoiding Deprecated Tags

12.4 Cross-Browser Compatibility

## 13. Project

13.1 Building a Simple Personal Website

13.2 Using Forms and Multimedia

13.3 Linking Pages and Adding Styling (Optional)