

HTML Basics Guide

Introduction to HTML

HTML (HyperText Markup Language) is the standard language for creating web pages. It is the foundation of all web development, allowing developers to structure and format content for the web.

Why Learn HTML?

HTML is essential for:

- Structuring content on the web.
- Adding headings, paragraphs, images, and links.
- Building websites and web applications.

Basic Structure of an HTML Document

Every HTML file follows a basic structure:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Page Title</title>
</head>
<body>
  <!-- Content goes here -->
</body>
</html>
```

Explanation:

- `<!DOCTYPE html>`: Defines the document type.
- `<html>`: The root element of the page.
- `<head>`: Contains metadata (e.g., title, character set).
- `<body>`: Contains the visible content of the page.

Common HTML Tags

Headings

```
<h1>This is a main heading</h1>
```

```
<h2>This is a subheading</h2>
```

```
<h3>Smaller subheading</h3>
```

Paragraphs

```
<p>This is a paragraph of text.</p>
```

Links

```
<a href="https://example.com">Visit Example</a>
```

Images

```

```

Lists

Ordered List

```
<ol>
```

```
  <li>Item 1</li>
```

```
  <li>Item 2</li>
```

```
</ol>
```

Unordered List

```
<ul>
```

```
  <li>Item A</li>
```

```
  <li>Item B</li>
```

```
</ul>
```

Attributes in HTML

HTML elements often have attributes that provide additional information.

```
<a href="https://example.com" target="_blank">Open in New Tab</a>
```

- href: Specifies the link's destination.

- target="_blank": Opens the link in a new tab.

Building a Simple Webpage

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
  <meta charset="UTF-8">
```

```
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
  <title>My First Webpage</title>
```

```
</head>
<body>
  <header>
    <h1>Welcome to My Webpage</h1>
    <p>Learning HTML is fun!</p>
  </header>

  <section>
    <h2>About Me</h2>
    <p>I am a beginner learning web development.</p>
    
  </section>

  <footer>
    <p>&copy; 2025 CodeWithGabby</p>
  </footer>
</body>
</html>
```

Practice Exercise

1. Create a new HTML file.
2. Add the basic HTML structure.
3. Add a title, heading, and a paragraph.
4. Include an image and a link to your favorite website.
5. Create an unordered list of your favorite hobbies.

Additional Resources

- W3Schools HTML Tutorial: <https://www.w3schools.com/html/>
- MDN Web Docs on HTML: <https://developer.mozilla.org/en-US/docs/Web/HTML>

Final Words

HTML is the starting point for any web development journey. Practice regularly and experiment with creating different layouts. As you progress, you will be able to build stunning and functional websites.