

# HTML TAGS

## Basic Structure

- `<html>` – Defines the root of an HTML document.
- `<head>` – Contains metadata, links, and scripts.
- `<title>` – Sets the page title (visible on the browser tab).
- `<body>` – Contains the visible content of the webpage.

## Text Formatting

- `<h1>` to `<h6>` – Headings (h1 is the largest, h6 is the smallest).
- `<p>` – Paragraph.
- `<b>` – Bold text.
- `<i>` – Italic text.
- `<u>` – Underlined text.
- `<strong>` – Important text (bold by default).
- `<em>` – Emphasized text (italic by default).
- `<br>` – Line break.
- `<hr>` – Horizontal line.
- `<span>` – Inline container for styling or scripting.
- `<mark>` – Highlights text.

## Links & Navigation

- `<a href="URL">` – Creates a hyperlink.
- `<nav>` – Defines a navigation section.
- `<button>` – Clickable button.

## Lists

- `<ul>` – Unordered list.
- `<ol>` – Ordered list.
- `<li>` – List item.
- `<dl>` – Description list.
- `<dt>` – Term in a description list.
- `<dd>` – Description for the term.

## Tables

- `<table>` – Defines a table.
- `<tr>` – Table row.
- `<th>` – Table header.
- `<td>` – Table data cell.
- `<thead>` – Groups table headers.
- `<tbody>` – Groups table body rows.
- `<tfoot>` – Groups table footer rows.

## Forms & Inputs

- `<form>` – Defines a form.
- `<input>` – Input field (text, password, checkbox, radio, etc.).
- `<textarea>` – Multi-line text input.
- `<select>` – Dropdown menu.
- `<option>` – Options inside a `<select>`.
- `<label>` – Label for form elements.
- `<fieldset>` – Groups form elements.
- `<legend>` – Title for a `<fieldset>`.
- `<button>` – Clickable button.
- `<submit>` – Submit button inside a form.

## Media

- `` – Displays an image.
- `<audio>` – Embeds audio.
- `<video>` – Embeds video.
- `<source>` – Specifies multiple media sources for `<audio>` or `<video>`.
- `<iframe>` – Embeds another webpage inside the current one.

## Divisions & Layout

- `<div>` – Block-level container for styling and layout.
- `<span>` – Inline container.
- `<section>` – Defines a section in a document.
- `<article>` – Defines an independent piece of content.
- `<header>` – Defines a header for a section or page.
- `<footer>` – Defines a footer for a section or page.
- `<main>` – Specifies the main content of a document.

- `<aside>` – Defines content aside from the main content.

## Semantic HTML

- `<header>` – Defines a header.
- `<footer>` – Defines a footer.
- `<section>` – Groups related content.
- `<article>` – Defines independent content.
- `<aside>` – Defines side content.
- `<figure>` – Groups media elements like images, videos, or diagrams.
- `<figcaption>` – Caption for a `<figure>`.

## Meta & Scripting

- `<meta>` – Defines metadata like character set and viewport settings.
- `<link>` – Links external resources (e.g., CSS files).
- `<script>` – Embeds JavaScript code.
- `<style>` – Embeds CSS styles.