HTML TAGS

- HTML stands for HyperText Markup Language.
- It is the standard language used to create the structure of web pages.
- Think of it like the skeleton of a website — it tells the browser what to display (headings, paragraphs, images, links, etc.).

Uses

- Website Structure – Organizes content into headings, paragraphs, lists, tables, etc.
- Embedding Media – Add images, videos, audio, and animations.
- Links and Navigation – Create hyperlinks to connect different pages/websites.
- Forms and User Input – Collect user data with input fields, buttons, checkboxes, etc.
- Integration with CSS & JS –
  - CSS → for styling (colors, fonts, layout).
  - JavaScript → for interactivity (sliders, pop-ups, dynamic content).
- SEO (Search Engine Optimization) – HTML tags like <title>, <meta> help search engines understand the content.
- Accessibility – Provides features like <alt> for images so that screen readers can assist visually impaired users.

HTML TAGS

Tag	Usage
<!DOCTYPE html>	Defines HTML5 document type.
<html>	Root of an HTML page.
<head>	Container for metadata, CSS, JS, title.
<title>	Sets title of the page (browser tab).
<meta>	Metadata (charset, viewport, SEO info).
<link>	Links external resources (CSS, favicon).
<style>	Internal CSS styles.
<script>	JavaScript code or external script.
<body>	Main visible content of page.
<h1>–<h6>	Headings (largest to smallest).
<p>	Paragraph text.
 	Line break.
<hr>	Horizontal line/section break.
<b>	Bold text.
<strong>	Important (bold) text.
<i>	Italic text.
<em>	Emphasized text.
<u>	Underlined text.
<mark>	Highlight text.
<small>	Small text.
<sub>	Subscript (H_2O).

<sup>	Superscript (X^2).
<del>	Deleted (strikethrough) text.
<ins>	Inserted (underlined) text.
<span>	Inline container for styling.
<div>	Block-level container.
** **	Unordered list (bullets).
** **	Ordered list (numbers/letters).
** **	List item.
<dl>	Description list.
<dt>	Term (word) in description list.
<dd>	Description of the term.
<a>	Hyperlink.
<img>	Image.
<map>	Image map container.
<area>	Clickable area inside an image map.
<figure>	Groups image and caption.
<figcaption>	Caption for <figure>.
<video>	Embed video.
<audio>	Embed audio.
<source>	Media file source (inside <video>/<audio>).
<track>	Subtitles/captions for media.
<iframe>	Embed another webpage.
<table>	Table container.
<tr>	Table row.

<td>	Table data cell.
<th>	Table header cell.
<thead>	Groups table header rows.
<tbody>	Groups table body rows.
<tfoot>	Groups table footer rows.
<caption>	Table caption.
<col>	Defines column properties.
<colgroup>	Groups columns for styling.
<form>	Form container.
<input>	Input field (text, checkbox, radio, etc.).
<label>	Label for form input.
<button>	Button (submit, reset, custom).
<select>	Dropdown list.
<option>	Option inside dropdown.
<optgroup>	Group of options inside dropdown.
<textarea>	Multi-line text area.
<fieldset>	Group related form elements.
<legend>	Title for <fieldset>.
<datalist>	Predefined list of input suggestions.
<output>	Display result of a calculation.
<progress>	Progress bar.
<meter>	Gauge/measurement (within a range).
<header>	Header section.
<nav>	Navigation links.

<main>	Main page content.
<section>	A section of content.
<article>	Independent article content.
<aside>	Sidebar content.
<footer>	Footer section.
<address>	Contact info.
<canvas>	Draw graphics using JS.
<svg>	Vector graphics.
<details>	Expandable/collapsible details.
<summary>	Heading for <details>.
<dialog>	Dialog box / modal popup.
<embed>	Embeds external content (PDF, etc.).
<object>	Embeds external object.
<param>	Parameter for <object>.