**HTML Tags and Attributes with Definitions**

HTML (Hypertext Markup Language) is composed of a variety of tags that define the structure and content of web pages.

The most common HTML tags:

**1. Basic Structure Tags:**

* **<html>**: The root element of an HTML document.
* **lang:** Specifies the language of the document.
* **<head>**: Contains metadata about the HTML document, like the title, links to stylesheets, etc.
* **<body>**: Contains the content of the document (text, images, links, etc.).
* **background:** Specifies a background image.
* **bgcolor:** Specifies the background color.
* **text:** Specifies the text color.
* **link:** Specifies the color for unvisited links.
* **vlink:** Specifies the color for visited links.
* **alink:** Specifies the color for active links.
* **<title>**: Specifies the title of the document (appears in the browser tab).
* **<meta>**: Provides metadata about the document (like character encoding or author).
  + **name**: Specifies the name of the metadata (e.g., description, author).
  + **content**: Defines the content for the metadata.
  + **charset**: Specifies the character encoding (e.g., UTF-8).
* **<link>**: Links to external resources, such as stylesheets.
* **rel**: Specifies the relationship between the current document and the linked document (e.g., stylesheet, icon).
* **href**: Specifies the URL of the linked document.
* **type**: Specifies the media type of the linked document.
* **<style>**: Contains CSS rules for the page.
* **type**: Specifies the type of content (text/css for CSS).

**2. Text and Formatting Tags:**

* **<h1> to <h6>**: Header tags, where <h1> is the highest (largest) and <h6> is the smallest.
* No specific attributes (apart from **id**, **class**, **style**, etc., for styling).
* **<p>**: Defines a paragraph.
* No specific attributes (apart from **id**, **class**, **style**, etc., for styling).
* **<br>**: Inserts a line break.
* No attributes (self-closing tag).
* **<strong>**: Defines important text, typically rendered as bold.
* **<em>**: Defines emphasized text, typically rendered as italic.
* **<b>**: Renders text in bold.
* **<i>**: Renders text in italic.
* **<u>**: Underlines text.

**4. Link and Media Tags:**

* **<a>**: Defines a hyperlink (anchor) to another resource.
* **href**: Specifies the URL of the linked page.
* **target**: Specifies where to open the linked document (\_blank, \_self, etc.).
* **title**: Provides additional information (shown as a tooltip).
* **rel**: Specifies the relationship between the current document and the linked document (e.g., nofollow, noopener).
* **<img>**: Defines an image.
* **src**: Specifies the URL of the image.
* **alt**: Provides alternative text for the image.
* **width**: Specifies the width of the image.
* **height**: Specifies the height of the image.
* **title**: Provides additional information (shown as a tooltip).
* **<audio>**: Embeds audio content.
* **src**: Specifies the audio file.
* **controls**: Adds audio controls (play, pause, volume).
* **autoplay**: Specifies the audio to play automatically.
* **loop**: Specifies the audio to loop.
* **<video>**: Embeds video content.
* **src**: Specifies the audio file.
* **controls**: Adds audio controls (play, pause, volume).
* **autoplay**: Specifies the audio to play automatically.
* **loop**: Specifies the audio to loop.

**5.Meta Tags:**

* **<meta>**: Provides metadata about the document (e.g., character encoding, keywords, author).
* **<base>**: Specifies a base URL for relative URLs in the document.