**HTML Basics**

**🔖 1. Heading Tags**

* It’s a **container tag** used to define headings.
* Types of heading tags:
  + <h1> – Largest heading
  + <h2> – Smaller than <h1>
  + <h3> – Smaller than <h2>
  + <h4> – Smaller than <h3>
  + <h5> – Smaller than <h4>
  + <h6> – Smallest heading

**🔸 2. Bold Tag**

* Used to make text **bold**.
* HTML: <b> ... </b> – Only applies style
* HTML5: <strong> ... </strong> – Adds **importance** along with bold style

**🔹 3. Italic Tag**

* Used to make text **italic**.
* HTML: <i> ... </i> – Only applies style
* HTML5: <em> ... </em> – Adds **emphasis/importance**

**🔸 4. Underline Tag**

* Used to underline the text.
* **Syntax:** <u> ... </u>

**🔹 5. Quotation Tag**

* Used to insert inline quotation marks around the text.
* **Syntax:** <q> ... </q> → “66 99” style quotes

**🔸 6. Strike Tag**

* Used to show **strikethrough** text.
* HTML Tags: <strike> ... </strike> or <s> ... </s>

**🔹 7. Delete Tag**

* Shows text as **deleted** (similar to strike).
* **Syntax:** <del> ... </del>

**🔸 8. Small Tag**

* Displays text in **smaller font size** (similar to <h5> size but without boldness).
* **Syntax:** <small> ... </small>

**🔹 9. Paragraph Tag**

* Used to define **a block of text** (paragraph).
* Ignores extra white spaces.
* **Syntax:** <p> ... </p>

**🔸 10. Preformatted Tag**

* Displays text **exactly as written** (preserves spaces and line breaks).
* **Font style differs** from paragraph tag.
* **Syntax:** <pre> ... </pre>

**🔹 11. Mark Tag**

* Used to **highlight text** (usually in yellow).
* **Syntax:** <mark> ... </mark>

**🔸 12. Center Tag**

* Aligns content **to the center** of the webpage.
* **Syntax:** <center> ... </center>

**🔹 13. Break Row Tag**

* **Non-container tag**.
* Breaks a line and moves content to the next line.
* **Syntax:** <br>

**🔸 14. Horizontal Rule Tag**

* **Non-container tag**.
* Adds a **horizontal line** to separate sections.
* **Syntax:** <hr>

**🔹 15. Subscript Tag**

* Displays content **below the normal line**.
* Commonly used for **chemical formulas** (e.g., H<sub>2</sub>O).
* **Syntax:** <sub> ... </sub>

**🔸 16. Superscript Tag**

* Displays content **above the normal line**.
* Commonly used in **math expressions** (e.g., a<sup>2</sup> + b<sup>2</sup>).
* **Syntax:** <sup> ... </sup>

ATTRIBUTES:

Are the additional information or extra functionality added to the tag.

Always attributes should be given to the starting tag.

In a single line we can add n number of attributes.

The attribute values and Name should separate by = operator.

Value should be quoted.

Syntax: <tag name Attribute = “Value” >----- </tag name>

**ABBREVATION TAG**: It is container tag. Using this tag we can print the abbreviation of txt content in mouse tool tip in html doc.

Attribute used in abbreviation tag is TITLE tag.

Syntax: <abbr title=”-Value” > ------</abbr>

EX: <abbr title = “Royal Challengers Bangalore”> RCB </abbr>

**BDO- Bidirectional Override tag**: by using this tag we can change direction of text content in html doc.

Attribute used here is Direction and dir values or RTL(reverse, Right to Left) and LTR(Left to Right)

Syntax: <bdo dir = ”Value”>-------</bdo>

**Image tag: to insert a image in html doc.**

Attributes the image tag contains are-

1. SRC= mandatory attribute—contain image address
2. Alt= alternate name for the image
3. Height and width = To define the size of the image

**MARQUEE TAG:**

* It is used to create a scrolling text or image on a webpage.
* This tag is **non-standard** and not supported in HTML5 (but still works in many browsers).
* **Attributes:**
  + direction – Specifies the direction of scroll (left, right, up, down)
  + scrollamount – Speed of the marquee
  + behavior – Scrolling behavior (scroll, slide, alternate)
  + loop – Number of times the marquee should repeat
  + bgcolor – Background color of the marquee
  + height & width – Size of the marquee area

**Syntax:**

html

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<marquee direction="left" scrollamount="5" bgcolor="yellow"> Welcome to HTML! </marquee>

**UNORDERED LIST (<ul>)**

* Used to create **bullet point lists**.
* Each item in the list is wrapped with <li> (list item) tag.
* **Default bullet styles** can be: disc (default), circle, or square (controlled using CSS).

**Syntax:**

html

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<ul>

<li>HTML</li>

<li>CSS</li>

<li>JavaScript</li>

</ul>

**ORDERED LIST (<ol>)**

* Used to create **numbered lists**.
* Each item is also wrapped with <li> tag.
* **Type attribute** defines the style of numbering:
  + 1 (default), A, a, I, i

**Syntax:**

html

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<ol type="A">

<li>Login</li>

<li>Dashboard</li>

<li>Logout</li>

</ol>

**Definition / Description List:**

It is a **container tag**, used to create a list of items with their descriptions in the HTML document. Mainly used to represent **glossary terms**, **FAQ sections**, or **metadata details**.

**Tags used in Description List:**

1. <dl> → Definition List (wraps the entire list)
2. <dt> → Definition Term (the term or title)
3. <dd> → Definition Description (the explanation or description of the term)

**Syntax:**

html

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<dl>

<dt>HTML</dt>

<dd>HyperText Markup Language</dd>

<dt>CSS</dt>

<dd>Cascading Style Sheets</dd>

</dl>

**Nested list:**

A **Nested List** means placing one list inside another list (like a list within a list).  
It helps in representing **hierarchical data** like menus, topics with subtopics, etc.

It can be created using:

* Ordered List (<ol>)
* Unordered List (<ul>)
* Or both combined together

**Syntax:**

<ul>

<li>Fruits

<ul>

<li>Apple</li>

<li>Mango</li>

<li>Banana</li>

</ul>

</li>

<li>Vegetables

<ul>

<li>Carrot</li>

<li>Potato</li>

</ul>

</li>

</ul>