**ASSIGMNENT-1**

(Basic Understanding of Web Development)

**TASK-3:Encyclopedia of HTML elements**

* HTML is a much richer language than what it's used for. There are 77 elements and each one has a certain purpose.
* [A](https://friendlybit.com/html/encyclopedia-of-html-elements/#A), [ABBR](https://friendlybit.com/html/encyclopedia-of-html-elements/#ABBR), [ACRONYM](https://friendlybit.com/html/encyclopedia-of-html-elements/#ACRONYM), [ADDRESS](https://friendlybit.com/html/encyclopedia-of-html-elements/#ADDRESS), [AREA](https://friendlybit.com/html/encyclopedia-of-html-elements/#AREA), [B](https://friendlybit.com/html/encyclopedia-of-html-elements/#B), [BASE](https://friendlybit.com/html/encyclopedia-of-html-elements/#BASE), [BDO](https://friendlybit.com/html/encyclopedia-of-html-elements/#BDO), [BIG](https://friendlybit.com/html/encyclopedia-of-html-elements/#BIG), [BLOCKQUOTE](https://friendlybit.com/html/encyclopedia-of-html-elements/#BLOCKQUOTE), [BODY](https://friendlybit.com/html/encyclopedia-of-html-elements/#BODY), [BR](https://friendlybit.com/html/encyclopedia-of-html-elements/#BR), [BUTTON](https://friendlybit.com/html/encyclopedia-of-html-elements/#BUTTON), [CAPTION](https://friendlybit.com/html/encyclopedia-of-html-elements/#CAPTION), [CITE](https://friendlybit.com/html/encyclopedia-of-html-elements/#CITE), [CODE](https://friendlybit.com/html/encyclopedia-of-html-elements/#CODE), [COL](https://friendlybit.com/html/encyclopedia-of-html-elements/#COL), [COLGROUP](https://friendlybit.com/html/encyclopedia-of-html-elements/#COLGROUP), [DD](https://friendlybit.com/html/encyclopedia-of-html-elements/#DD), [DEL](https://friendlybit.com/html/encyclopedia-of-html-elements/#DEL), [DFN](https://friendlybit.com/html/encyclopedia-of-html-elements/#DFN), [DIV](https://friendlybit.com/html/encyclopedia-of-html-elements/#DIV), [DL](https://friendlybit.com/html/encyclopedia-of-html-elements/#DL), [DT](https://friendlybit.com/html/encyclopedia-of-html-elements/#DT), [EM](https://friendlybit.com/html/encyclopedia-of-html-elements/#EM), [FIELDSET](https://friendlybit.com/html/encyclopedia-of-html-elements/#FIELDSET), [FORM](https://friendlybit.com/html/encyclopedia-of-html-elements/#FORM), [H1](https://friendlybit.com/html/encyclopedia-of-html-elements/#H1), [H2](https://friendlybit.com/html/encyclopedia-of-html-elements/#H1), [H3](https://friendlybit.com/html/encyclopedia-of-html-elements/#H1), [H4](https://friendlybit.com/html/encyclopedia-of-html-elements/#H1), [H5](https://friendlybit.com/html/encyclopedia-of-html-elements/#H1), [H6](https://friendlybit.com/html/encyclopedia-of-html-elements/#H1), [HEAD](https://friendlybit.com/html/encyclopedia-of-html-elements/#HEAD), [HR](https://friendlybit.com/html/encyclopedia-of-html-elements/#HR), [HTML](https://friendlybit.com/html/encyclopedia-of-html-elements/#HTML), [I](https://friendlybit.com/html/encyclopedia-of-html-elements/#I), [IMG](https://friendlybit.com/html/encyclopedia-of-html-elements/#IMG), [INPUT](https://friendlybit.com/html/encyclopedia-of-html-elements/#INPUT), [INS](https://friendlybit.com/html/encyclopedia-of-html-elements/#INS), [KBD](https://friendlybit.com/html/encyclopedia-of-html-elements/#KBD), [LABEL](https://friendlybit.com/html/encyclopedia-of-html-elements/#LABEL), [LEGEND](https://friendlybit.com/html/encyclopedia-of-html-elements/#LEGEND), [LI](https://friendlybit.com/html/encyclopedia-of-html-elements/#LI), [LINK](https://friendlybit.com/html/encyclopedia-of-html-elements/#LINK), [MAP](https://friendlybit.com/html/encyclopedia-of-html-elements/#MAP), [META](https://friendlybit.com/html/encyclopedia-of-html-elements/#META), [NOSCRIPT](https://friendlybit.com/html/encyclopedia-of-html-elements/#NOSCRIPT), [OBJECT](https://friendlybit.com/html/encyclopedia-of-html-elements/#OBJECT), [OL](https://friendlybit.com/html/encyclopedia-of-html-elements/#OL), [OPTGROUP](https://friendlybit.com/html/encyclopedia-of-html-elements/#OPTGROUP), [OPTION](https://friendlybit.com/html/encyclopedia-of-html-elements/#OPTION), [P](https://friendlybit.com/html/encyclopedia-of-html-elements/#P), [PARAM](https://friendlybit.com/html/encyclopedia-of-html-elements/#PARAM), [PRE](https://friendlybit.com/html/encyclopedia-of-html-elements/#PRE), [Q](https://friendlybit.com/html/encyclopedia-of-html-elements/#QU), [SAMP](https://friendlybit.com/html/encyclopedia-of-html-elements/#SAMP), [SCRIPT](https://friendlybit.com/html/encyclopedia-of-html-elements/#SCRIPT), [SELECT](https://friendlybit.com/html/encyclopedia-of-html-elements/#SELECT), [SMALL](https://friendlybit.com/html/encyclopedia-of-html-elements/#SMALL), [SPAN](https://friendlybit.com/html/encyclopedia-of-html-elements/#SPAN), [STRONG](https://friendlybit.com/html/encyclopedia-of-html-elements/#STRONG), [STYLE](https://friendlybit.com/html/encyclopedia-of-html-elements/#STYLE), [SUB](https://friendlybit.com/html/encyclopedia-of-html-elements/#SUB), [SUP](https://friendlybit.com/html/encyclopedia-of-html-elements/#SUB), [TABLE](https://friendlybit.com/html/encyclopedia-of-html-elements/#TABLE), [TBODY](https://friendlybit.com/html/encyclopedia-of-html-elements/#TBODY), [TD](https://friendlybit.com/html/encyclopedia-of-html-elements/#TD), [TEXTAREA](https://friendlybit.com/html/encyclopedia-of-html-elements/#TEXTAREA), [TFOOT](https://friendlybit.com/html/encyclopedia-of-html-elements/#TFOOT), [TH](https://friendlybit.com/html/encyclopedia-of-html-elements/#TH), [THEAD](https://friendlybit.com/html/encyclopedia-of-html-elements/#THEAD), [TITLE](https://friendlybit.com/html/encyclopedia-of-html-elements/#TITLE), [TR](https://friendlybit.com/html/encyclopedia-of-html-elements/#TR), [TT](https://friendlybit.com/html/encyclopedia-of-html-elements/#TT), [UL](https://friendlybit.com/html/encyclopedia-of-html-elements/#UL), [VAR](https://friendlybit.com/html/encyclopedia-of-html-elements/#VAR)
* Here is a brief description of each HTML tag listed:
* **A:** Defines a hyperlink, linking to another document or location. Uses the `href` attribute to specify the URL.

**<a href="URL">Link text</a>**

* **ABBR:** Represents an abbreviation or acronym, providing an expanded description. Often used with the `title` attribute.

**<abbr title="Full phrase">Abbreviation</abbr>**

* **ACRONYM:** Indicates an acronym, providing expanded text. Deprecated in HTML5; use `ABBR` instead.

**<acronym title="Full phrase">Acronym</acronym>**

* **ADDRESS:** Provides contact information for the author or owner of a document. Typically rendered in italic.

**<address>Contact information</address>**

* **AREA:** Defines a clickable area within an image map. Used within `MAP` element.

**<area shape="rect" coords="34,44,270,350" href="URL" alt="description">**

* **B:** Applies bold styling to text without conveying any extra importance. Use `STRONG` for importance.

**<b>Bold text</b>**

* **BASE:** Sets the base URL for relative URLs in the document. Must be inside the `HEAD` element.

**<base href="URL">**

* **BDO:** Overrides the current text direction. Useful for languages that use different writing directions.

**<bdo dir="rtl">Text</bdo>**

* **BIG:** Renders text in a larger font size than surrounding text. Deprecated in HTML5; use CSS instead.

**<big>Big text</big>**

* **BLOCKQUOTE:** Indicates a section that is a quotation from another source. Usually indented.

**<blockquote cite="URL">Quoted text</blockquote>**

* **BODY:** Contains the content of an HTML document. Direct child of `HTML` and follows the `HEAD` element.

**<body>Content</body>**

* **BR:** Inserts a line break in text. No closing tag required.

**<br>**

* **BUTTON:** Creates a clickable button. Can contain text, images, or other HTML content.

**<button type="button">Button text</button>**

* **CAPTION:** Provides a title or description for a `TABLE`. Placed directly after the `TABLE` tag.

**<caption>Table caption</caption>**

* **CITE:** Defines the title of a work, such as a book, report, or research paper. Typically rendered in italic.

**<cite>Citation</cite>**

* **CODE:** Represents a fragment of computer code. Often displayed in a monospace font.

**<code>Code snippet</code>**

* **COL:** Specifies column properties for each column within a `COLGROUP`. Used for styling purposes.

**<col span="2" style="background-color:yellow">**

* **COLGROUP:** Groups a set of `COL` elements for styling columns in a table. Provides a structure for column-level styling.

**<colgroup>**

**<col span="2" style="background-color:yellow">**

**</colgroup>**

* **DD:** Provides the description or definition for a term in a description list (`DL`). Placed after `DT`.

**<dd>Definition description</dd>**

* **DEL:** Indicates text that has been deleted from a document. Often displayed with a strikethrough.

**<del>Deleted text</del>**

* **DFN:** Represents the defining instance of a term. Usually rendered in italic.

**<dfn>Defined term</dfn>**

* **DIV:** Generic container for flow content. Used for styling or scripting purposes.

**<div>Content</div>**

* **DL:** Defines a description list. Contains `DT` and `DD` elements.

**<dl>**

**<dt>Term</dt>**

**<dd>Definition</dd>**

**</dl>**

* **DT:** Represents a term in a description list. Placed before `DD`.

**<dt>Definition term</dt>**

* **EM:** Marks text with emphasis. Usually rendered in italic.

**<em>Emphasized text</em>**

* **FIELDSET:** Groups related elements in a form. Often used with `LEGEND` for captions.

**<fieldset>**

**<legend>Caption</legend>**

**Form elements**

**</fieldset>**

* **FORM:** Represents an interactive form for user input. Contains form controls like input fields, buttons, etc.

**<form action="URL" method="post">**

**Form elements**

**</form>**

* **H1:** Defines the highest-level heading. Used for the most important titles.

**<h1>Heading 1</h1>**

* **H2:** Represents a second-level heading. Less important than `H1`.

**<h2>Heading 2</h2>**

* **H3:** Indicates a third-level heading. Less important than `H2`.

**<h3>Heading 3</h3>**

* **H4:** Denotes a fourth-level heading. Less important than `H3`.

**<h4>Heading 4</h4>**

* **H5:** Marks a fifth-level heading. Less important than `H4`.

**<h5>Heading 5</h5>**

* **H6:** Represents a sixth-level heading. Least important among headings.

**<h6>Heading 6</h6>**

* **HEAD:** Contains metadata and links to external resources. Precedes the `BODY` element.

**<head>**

**Head elements**

**</head>**

* **HR:** Inserts a horizontal rule or thematic break. No closing tag required.

**<hr>**

* **HTML:** The root element of an HTML document. Encloses all other HTML elements.

**<html>**

**HTML content**

**</html>**

* **I:** Renders text in italic. Use `EM` for emphasis instead.

**<i>Italic text</i>**

* **IMG:** Embeds an image in the document. Uses `src` to specify the image source.

**<img src="URL" alt="description">**

* **INPUT:** Creates an interactive form control. Type attribute defines the type of control.

**<input type="text" name="name">**

* **INS:** Indicates text that has been inserted into a document. Often displayed with an underline.

**<ins>Inserted text</ins>**

* **KBD:** Represents user input, typically from a keyboard. Often displayed in a monospace font.

**<kbd>Keyboard input</kbd>**

* **LABEL:** Defines a label for an `INPUT` element. Improves form accessibility.

**<label for="id">Label text</label>**

* **LEGEND:** Provides a caption for a `FIELDSET`. Placed as the first child of `FIELDSET`.

**<legend>Fieldset caption</legend>**

* **LI:** Represents an item in a list. Can be used within `OL`, `UL`, or `MENU`.

**<li>List item</li>**

* **LINK:** Defines a link to an external resource. Typically used within `HEAD` for stylesheets.

**<link rel="stylesheet" href="URL">**

* **MAP:** Defines an image map with clickable areas. Contains `AREA` elements.

**<map name="mapname">**

**Map areas**

**</map>**

* **META:** Provides metadata about the document. Placed within `HEAD`.

**<meta name="description" content="Content description">**

* **NOSCRIPT:** Contains alternative content for users with scripts disabled. Useful for accessibility.

**<noscript>Fallback content</noscript>**

* **OBJECT:** Embeds multimedia objects such as images, audio, video, Java applets, etc. Uses `data` attribute for source.

**<object data="URL" type="type">**

**Fallback content**

**</object>**

* **OL:** Defines an ordered list. Items are typically numbered.

**<ol>**

**<li>List item</li>**

**</ol>**

* **OPTGROUP:** Groups related options within a `SELECT` dropdown. Improves organization.

**<optgroup label="Group label">**

**<option>Option</option>**

**</optgroup>**

* **OPTION:** Represents an option within a `SELECT` element. Can be grouped using `OPTGROUP`.

**<option value="value">Option</option>**

* **P:** Defines a paragraph of text. Adds vertical spacing by default.

**<p>Paragraph text</p>**

* **PARAM:** Defines parameters for `OBJECT` elements. Used to pass information to plugins.

**<param name="name" value="value">**

* **PRE:** Displays preformatted text. Preserves whitespace and line breaks.

**<pre>Preformatted text</pre>**

* **Q:** Defines a short inline quotation. Typically rendered with quotation marks.

**<q>Quote</q>**

* **SAMP:** Represents sample output from a program or computer. Displayed in a monospace font.

**<samp>Sample output</samp>**

* **SCRIPT:** Embeds or references executable code, typically JavaScript. Can be placed in `HEAD` or `BODY`.

**<script src="URL"></script>**

* **SELECT:** Creates a dropdown list for selecting options. Contains `OPTION` or `OPTGROUP` elements

**<select name="name">**

**<option>Option</option>**

**</select>**

* **SMALL:** Renders text in a smaller font size. Often used for fine print or disclaimers.

**<select name="name">**

**<option>Option</option>**

**</select>**

* **SPAN:** Generic inline container for phrasing content. Useful for styling or scripting **purposes.**

**<span>Inline content</span>**

* **STRONG:** Indicates strong importance or emphasis. Usually rendered in bold.

**<strong>Strong text</strong>**

* **STYLE:** Embeds CSS styles within an HTML document. Typically placed within `HEAD`.

**<style>**

**CSS styles**

**</style>**

* **SUB:** Renders text as subscript. Lowered and smaller than surrounding text.

**<sub>Subscript text</sub>**

* **SUP:** Renders text as superscript. Raised and smaller than surrounding text.

**<sup>Superscript text</sup>**

* **TABLE:**Represents tabular data. Contains `TR`, `TH`, and `TD` elements.

**<table>**

**Table content**

**</table>**

* **TBODY:** Groups the body content in a `TABLE`. Improves table organization.

**<tbody>**

**Table body content**

**</tbody>**

* **TD:** Defines a cell in a table row. Can contain text, images, lists, etc.

**<td>Table cell</td>**

* **TEXTAREA:** Creates a multi-line text input control. Allows for larger text input.

**<textarea name="name">Text</textarea>**

* **TFOOT:** Groups the footer content in a `TABLE`. Typically used for summary or calculations.

**<tfoot>**

**Table footer content**

**</tfoot>**

* **TH:** Defines a header cell in a table row. Usually displayed in bold and centered.

**<th>Table header cell</th>**

* **THEAD:** Groups the header content in a `TABLE`. Improves table organization.

**<thead>**

**Table header content**

**</thead>**

* **TITLE:** Sets the title of the document. Displayed in the browser’s title bar or tab.

**<title>Document title</title>**

* **TR:** Represents a row in a table. Contains `TH` or `TD` elements.

**<tr>**

**Table row content**

**</tr>**

* **TT:** Renders text in a teletype or monospace font. Deprecated in HTML5; use `CODE` or `PRE` instead.

**<tt>Teletype text</tt>**

* **UL:** Defines an unordered list. Items are typically bulleted.

**<ul>**

**<li>List item</li>**

**</ul>**

* **VAR:** Represents a variable in programming or mathematics. Usually displayed in italic.

**<var>Variable</var>**