LEARN HTML

I) HTML Basics

1) HTML Elements :

a) HTML Elements:

\<elt\> content **\</elt\>** → HTML element with start and end tag.

\<elt\> → Empty HTML element (no content) with no end tag.

b) HTML Page structure:

```
<!DOCTYPE html>
<html lang="en">
  <head>

        #title and icon
  </head>
  <body>
        #visible part of HTML document
  </body>
</html>
```

2) HTML writing:

a) Types of writing:

\<h1\>content\</h1\> → Headings to display on a webpage.

\<p\>content\</p\> → Writes content while ignoring every white space

\<div\>content\</div\> → Defines a section in a document (**block-level**)

\<span \>content\</span\> → Defines a section in a document (**inline**)

\<pre\>content\</pre\> → Writes content in a **poem**-shape

\<address\>content\</address\> → Writes content in an **address**-shape

\<blockquote\>content\</blockquote\> → Writes a **quote** in a block without " "

\<q\>content\</q\> → Writes a **quote** with " "

\<abbr \>content\</abbr\> → Writes an **abbreviation**

\<kbd \>content\</kbd\>   → Writes a **keyboard shortcut**

b) Text formatting

\<b\>content\</b\> → **bold text**

\<i\>content\</i\> → *italic text*

\<u\>content\</u\> → underlined text

\<small\>content\</small\> → small text

\<mark\>content\</mark\> → highlighted text

\<del\>content\</del\> → strikethrough text

c) Horizontal rules and line breaks:

\<hr\> → Horizontal line, used to separate content.

\<br\> → Line break, used to write in a new line.

3) Element Attributes :

\<elt attribute="value" \>

II) HTML elements :

1) HEAD elements:

<title>content</title> → Page title
<link rel="icon" type="image/icon" href="image.ico"> → Page icon

2) HTML links:

a) Link element:
<a>content

b) Link attributes (Non CSS):
 → URL of the page the link goes to
 → Where the page is opened (**blank-self-parent-top**)
 → Shows name when mouse hovered over content

c) Image as link:

<img src="image.jpg">

d) Email address as link:
content

e) Button as link:
<button onclick="document.location=link.com">content</button>

f) Bookmarks:
<elt id="value">content</elt> → Define bookmarks in a page
content → Jump to "value"

3) HTML images:

a) Image element:
<img>

b) Image attributes (Non CSS):
<img src="img.jpg"> → Image source (external or internal)
<img alt="msg"> → Alternative message in case the image not loaded.
<img width="500" height="600"> → Width and height of the image

c) Image as link:

<img src="image.jpg">

4) HTML tables:

a) Table element:
`<table>content</table>`

b) Table structure:

```
<table>
  <tr>
    <td>content</td>
  </tr>
</table>
```

c) Elements in table element:
`<tr>content</tr>` → Creates table rows
`<td>content</td>` → Creates table cell (data)
`<th>content</th>` → Creates table header (data)
`<caption>content</caption>` → Creates table title

d) Table attributes (Non CSS):
`<table border="1">` → Creates border and changes thickness

5) HTML lists:

a) List element:
`<ul>content</ul>` → Unordered list
`<ol>content</ol>` → Ordered list
`<dl>content</dl>` → Description list

b) List items:
`<li>content</li>` → Create list item
`<dt>content</dt>` → Create descriptive list item
`<dd>content</dd>` → Describe the list item

e) List attributes (Non CSS):
`<ol type="1">` → List items ordered by number
`<ol start="50">` → List items ordered by number starting from 50

III) HTML forms :

1) Form element:

<form>content</form> → Create from for user input

2) Label element:

<label>content</label> → Define a label for the input below

3) Nested elements in form element:

- <input>   → Create a place to input data
- <select>   → Create a drop-down list
  <option> → Options to select from a drop-down
- <textarea> → Create a modifiable text-area
- <button>   → Create a button
- <fieldset>   → Create a box that groups the data
- <legend>   → Create a title for the fieldset

4) Form attributes:

<form action="/page.php"> → Sends form data to page.php

<form autocomplete="on"> → Displays suggestions to input in the form

<form target="_self">   → Where the response is opened (**blank-self-parent-top**)

<form method="get ">   → HTTP Method when submitting data (**get-post**)

<label for="idOfInput"> → Bind input and label elements

<input **type**="…">   → Displays input field

<input/select id="cars">   → Saves the id of the element

<input/select value="Audi"> → Puts the default value in the element

<select multiple>   → Allows user to select multiple values

<select name="Cars">   → Allows user to select multiple values

<button onclick="alert('Hi')">content</button> → Does an action when clicked

5) Input types:

<input type="text">   → Single-line text input field

<input type="number">   → Numeric input field

<input type="password">   → Password input field

<input type="radio">   → Radio button field (only one choice)

<input type="checkbox">   → Checkbox button field (multiple choices)

<input type="submit">   → Submit button field

<input type="color">   → Color input field

<input type="range">   → Range input field

<input type="time">   → Time input field

<input type="date">   → Date input field

<input type="url">   → URL input field

<input type="email">   → Email input field

<input type="tel">   → Phone number input number

<input type="file">   → File input field