**Web & Mobile App Development Class 01 ( By Sir Ghous Ahmed )**

HTML stands for Hyper Text Markup Language

HTML only creates structure of webpage or website (like newspaper or building structure – without any colors)

Font, size, image width or height, colors will be done thru CSS.

<p></p>: Less than and greater than signs are called opening and closing tags (“/” represents closing tag), while “p” is an element. “p” is used here just for example, there are many other elements.

<head></head>: all the details related to page is used in this tag, (as Facebook example given by Sir, when we search Facebook on google, google share details about Facebook)

<title></title>: this tag is used for page title and used in the <head></head> tag.

Attribute: It is used to provide information about element. It consists of Name and Value. This is used in opening tag.

One tag can contain multiple attributes.

Folder name or file name should not contain spaces.

HTML has 06 levels of headings.

If we want to use heading bigger than H1, then it will be done thru CSS.

We use <b></b> and <i></i> tags for bold and italic.

If <b> tag is used before <i> tag, then </i> tag will be closed first.

**Superscript:** <sup> used for maths (example: 1st – st will be used in <sup></sup> tags)

**Subscript:** <sub> used for equations (example: CO2 – 2 will be used in <sub></sub> tags)

Extra spaces can be done thru CSS. In HTML, it only considers one space.

**Block Level Element:** This element used full line space. Other element will be shown in next line. (Example: H1 heading)

**In Line Element:** This element doesn’t use full line space. Other elements will be shown in same line (if there is a space to be shown).

**Line Break** <br /> is a self-close element or self-close tag, it has only one tag. We can use <br> or <br/> or <br />. The <br /> should be used (including space with “/”).

**Horizontal Rules** <hr /> is also a self-close element or self-close tag and works same like <br /> but <hr /> draws the line.

&nbsp: It is used for more spacing. However, for more spacing, CSS should be used.

**Semantic Markup:**  <strong></strong> and <em></em>. These are used for special people (blind people)

* Strong for bold
* Emphasize (em) for Italic

**Quotations:** Thereare two elements commonly used for marking up quotations:

* **<blockquote> </blockquote>:** If we use any paragraph or quotation that has been taken from any other website, then we must give them credit. For this, we use <blockquote> element.

We use “cite” attribute in <blockquote> element and link of the site from where the quote is taken will be paste in the attribute value. Then the text will be written in <p></p> tag.

**Example**: <blockquote cite="https://www.w3schools.com/html/html\_quotation\_elements.asp">

<p>Did you ever stop to think, and forget to start again? </p>

</blockquote>

Cite and its URL or link will not be show to the user.

Contents of the paragraph will be intended (means paragraph start after some spaces).

* **<q></q>:** if weusea quote or saying of anyone, we will use the <q></q> element. It doesn’t intend the contents of the paragraph. This element adds the inverted commas before and after the quotation.

**Example**: <p> As an A.A. Milne said, <q> Some people talks to animals, Not many listen though. That’s the problem.</q> </p>

**Abbreviations & Acronyms**

* **<abbr></abbr>:** It is used for abbreviation. Abbreviation is used in between <abbr></abbr> tags. For full form, we use title attribute and enter full form in the value. It is not necessary to use the <abbr> element, we can directly use the title element for abbreviation. When we hover on the abbreviation on the webpage, it will show the full form.

**Example:** <p><abbr title="professor">Prof</abbr></p>

**Citations & Definitions**

* **<cite></cite>:**  It is used when we are referencing any research paper, or book etc. The benefit of doing this is that if we have used any topic or book name in <cite></cite> tag, if anyone search for this topic or book in google, so google will show the results from our website too.

**Example**: Book name: A Brief History of Time

<p><cite>A Brief History of Time</cite> by Stephen Hawking has sold over 10 million copies worldwide.</p>

* **<dfn></dfn>:** It works same as <cite> tag. If we use a new terminology to explain, we will use this tag. The benefit of doing this is that if we have used any terminology in <dfn></dfn> tag, if anyone search for this terminology in google, so google will show the results from our website too.

**Example:** <p>A<dfn>black hole</dfn>is a region of space</p>.

Above mentioned tags don’t make any change, these are for screen readers or SEO.

**<address></address>:** this element is used for address or contact number. The benefit is that if someone search our office address on google, google will directly show our address which we have mentioned in this tag.