What is HTML?

HTML is a language for describing web pages.

* HTML stands for Hyper Text Markup Language
* HTML is a markup language
* A markup language is a set of markup tags
* The tags describe document content
* HTML documents contain HTML tags and plain text
* HTML tags are keywords (tag names) surrounded by angle brackets like <html>
* HTML tags normally come in pairs like <p> and </p>
* The first tag in a pair is the start tag, the second tag is the end tag
* The end tag is written like the start tag, with a slash before the tag name
* Start and end tags are also called opening tags and closing tags

Ex. <tagname>content</tagneame>

HTML Elements

In HTML, most elements are written with a start tag (e.g. <p>) and an end tag (e.g. </p>), with the content in between

Ex. <p>This is a paragraph.</p>

To begin coding HTML you need only two things: a simple-text editor and a web browser.

Notepad++ is the most basic of simpletext editors and you will probably code a fair amount of HTML with it.

Web Browsers

The purpose of a web browser (such as Google Chrome, Internet Explorer, Firefox, Safari) is to read HTML documents and display them as web pages. The browser does not display the HTML tags, but uses the tags to determine how the content of the HTML page is to be presented /displayed to the user.

HTML Version

<!DOCTYPE html> -----🡪Tells the browser using html5 version.

HTML Headings

HTML headings are defined with the <h1> to <h6> tags.

Ex: <h1>This is a heading</h1>

<h2>This is a heading</h2>

<h3>This is a heading</h3>

<h4>This is a heading</h4>

<h5>This is a heading</h5>

<h6>This is a heading</h6>

Basic Tags:

1. <P>paragraph</P>:

* Defines the boundaries of a paragraph. A line break automatically is inserted before and after a paragraph

1. <pre> content</pre>

* Specifies the pre-formatted text in web page.

1. <marquee>content</marquee>

* An interesting effect can be obtained by making print move on a page, using “marquee” tags
* creates an area in which moving text will advance across all or a portion of a page, just as it does on some marquee signs.
* A <MARQUEE> tag may contain within it other parameters as part of the command: DIRECTION="LEFT"|"RIGHT": indicates the direction marquee text will move. BGCOLOR="COLOR"|"#COLOR CODE": colors the background of a marquee. BEHAVIOR="SCROLL"|"SLIDE"|"ALTERNATE": specifies how marquee text will behave as it moves horizontally on a browser screen.

1. <!-- comment --> (“comment” tag):

* Allows the author to type a comment which helps clarify something within an HTML source code document. This comment will not appear in the marked up web document on the browser.

1. <BR> (“break” tag):

* Forces a line break at that point, causing the text after the break to be displaced down one line.

1. <HR> (“horizontal rule” tag):

* creates an engraved, shaded horizontal line

1. &nbsp:

* Inserts a single, non-breaking space where there otherwise would not be a space.

1. . <DIV>section of text</DIV>:

* Defines the boundaries of a section of text and divides or separates that section from the rest of the text.
* Tag may contain within it an alignment parameter as part of the command: ALIGN="LEFT"|"CENTER"|"RIGHT"|"JUSTIFY"
* To create subscripts and superscripts in the text.
* To do this, “subscript” and “superscript” tags may be used: <SUB>number or character</SUB>: lowers a number or a character slightly below the midline level and reduces its font size by 1 degree.
* <SUP>number or character</SUP>: elevates a number or a character slightly above the midline level and reduces its font size by 1 degree. (H<SUB>2</SUB>SO<SUB>4</SUB>) (H2SO4)

HTML Tables

Tables are defined with the <table> tag.

A table is divided into rows with the <tr> tag. (tr stands for table row)

A row is divided into data cells with the <td> tag. (td stands for table data)

A row can also be divided into headings with the <th> tag. (th stands for table heading) .

The <td> elements are the data containers in the table.

The <td> elements can contain all sorts of HTML elements like text, images, lists, other tables, etc. Tables

<TABLE> & </TABLE>

BORDER

BORDERCOLOR

BGCOLOR

ALIGN

WIDTH

HEIGHT

CELLSPACING

CELLPADDING

<TH> & </TH>

BGCOLOR ALIGN VALIGN WIDTH HEIGHT COLSPAN ROWSPAN

<TR> & </TR>

BGCOLOR ALIGN VALIGN

<TD> & </TD>

BGCOLOR ALIGN VALIGN WIDTH HEIGHT COLSPAN ROWSPAN

BORDER="B": creates a border (rim), of width “B” in pixels, around the edge of a table.

BORDERCOLOR="COLOR"|"#COLOR CODE": colors the borders around and within a