Core Web development HTML

Part I | What is HTML ?

HTML is the standard markup language for creating Web pages.

- HTML stands for Hyper Text Markup Language
- A **hyper** document is one that contains links to other "things" or places either within or outside the document.
- Html is a type of **Standard Generalized Markup Language(SGML)**. It is portable, meaning it allows all sort of computers, all across the world to view documents created in any SGML.
- A **markup language** is a computer language that uses tags to define elements within a document. It is human-readable, meaning markup files contain standard words, rather than typical programming syntax.
- HTML describes the **structure** of Web pages using markup
- HTML elements are the **building blocks** of HTML pages
- HTML **elements** are represented by tags
- HTML **tags** label pieces of content such as "heading", "paragraph", "table", and so on
- Browsers do not display the HTML tags, but use them to **render** the content of the page
- The founder of HTML was **Tim Berners-Lee** and his product was made attractive to the general public by Mosaic browser which was evolved at NCSA.
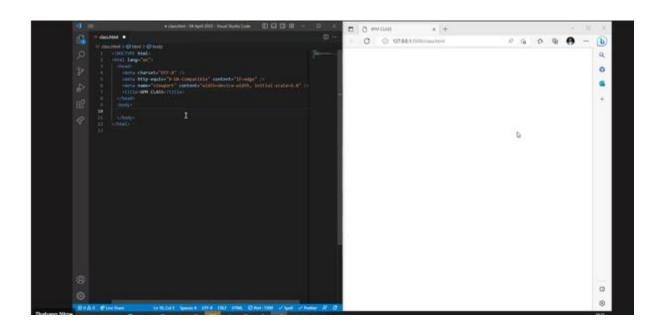
Part I | HTML Elements

- The **meta element** is an abbreviation for metadata, which is data that describes other data. In this case, the meta element describes the contents of the HTML document. The head element can include any number of meta elements, each providing a single data point using the name/value pair construct. For example:

```
<meta name="author" content="Mark J Collins" />
<meta name="description" content="Sample HTML document" />
<meta http-equiv="refresh" content="45" />
```

- The **script element** is used to load JavaScript in your page. In order to use a function, you must either define it or load an external script file that contains the function. Either can be done in the script element. To define JavaScript directly, include it in between the opening and closing tags like this:

```
<script type="text/javascript">
    function doSomething() {
        alert("Hello World!");
    }
</script>
```

- If you need to load multiple files, include each one in a separate script element. For example:

```
<script src="../scripts/sample.js" type="text/javascript"></script>
<script src="../scripts/demo.js" type="text/javascript"></script>
```

index.html > 🔗 html > 🔗 head > 🔗 style > 🔗 #siteNavigation a:link

```
 4        <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
 5        <meta name="description" content="HTTrack is an easy-to-use website mirror utility. It allows you to download a World Wide website from the Internet to a local directory,b
 6        <meta name="keywords" content="httrack, HTTRACK, HTTrack, winhttrack, WINHTTRACK, WinHTTrack, offline browser, web mirror utility, aspirateur web, surf offline, web captur
 7        <title>Local index - HTTrack Website Copier</title>
 8        <!-- Mirror and index made by HTTrack Website Copier/3.49-2 [XR&CO'2014] -->
 9        <style type="text/css">
10        <!--
11
12  body {
13      margin: 0;  padding: 0;  margin-bottom: 15px;  margin-top: 8px;
14      background: #77b;
15  }
16  body, td {
17      font: 14px "Trebuchet MS", Verdana, Arial, Helvetica, sans-serif;
18      }
19
20  #subTitle {
21      background: #000;  color: #fff;  padding: 4px;  font-weight: bold;
22      }
23
24  #siteNavigation a, #siteNavigation .current {
25      font-weight: bold;  color: #448;
26      }
27  #siteNavigation a:link    { text-decoration: none; }
28  #siteNavigation a:visited { text-decoration: none; }
29
30  #siteNavigation .current { background-color: #ccd; }
31
32  #siteNavigation a:hover   { text-decoration: none;  background-color: #fff;  color: #000; }
33  #siteNavigation a:active  { text-decoration: none;  background-color: #ccc; }
34
35
36  a:link    { text-decoration: underline;  color: #00f; }
37  a:visited { text-decoration: underline;  color: #000; }
38  a:hover   { text-decoration: underline;  color: #c00; }
39  a:active  { text-decoration: underline; }
40
41  #pageContent {
42      clear: both;
```

Live Share

Ln 27, Col 2   Tab Size: 4   UTF-8   CRLF   HTML   Go Live   15 Spell   Prettier