**19th September 2022: HTML. CSS, Javascript Course Notes**

Reference: <https://youtu.be/_GTMOmRrqkU>, <https://docs.google.com/presentation/d/1j6CqGnWdBiWGyxFVLZBjIADFpv0aUj65zHpsri5bMHs/edit#slide=id.g39e53d50_0_12>

**HTML**

* HTML Syntax:

<!DOCTYPE html>

<html>

    <head>

        <title>My First Webpage</title>

    </head>

    <body>

        <p>Hello World!</p>

    </body>

</html>

* HTML Tags:

More Tags & Attributes: <https://www.w3schools.com/tags/default.asp>

* + <p>: paragraph
  + <ul>: unordered list, followed by <li> for each item
    - Has items <li>
  + <h1> … <h6>: headings
  + <a href=”website link”>: add a clickable link
  + <img src=”picture link”>: add an img
  + <table border=”integer”>: adds table with border, border optional
    - <tr>: adds table row
      * <td>: adds table data
  + <div>: container we can wrap anything in
  + <form action=”where u want form to be posted”method=”POST or GET”>
    - <input type=”input type” name=”name of input element” placeholder=”short hint that specifies expected value of input elem.”>
    - <button type=”button type”>
  + Comment (green):

**<!--**

        <h2>Table</h2>

        <table border="2">

            <tr>

                <td>I am some data.</td>

            </tr>

            <tr>

                <td>I like cats.</td>

            </tr>

        </table>

    -->

**CSS**

More notes: <https://www.w3schools.com/css/default.asp>

* Inline style
  + <p style=”color:the color; background:background color;”>Text</p>
* Internal style
  + In head: <style>
    - For all paragraphs:
      * p{

color: the color;

background: bg color;

}

* External style sheet
  + In head: add a link to the css style sheet
    - <link rel=”stylesheet” href=”locationand /name of file”>
  + If the HTML Tag is referenced by an id:
    - #id{

style;

}

* + - The style will only be applied to tags w/ the id
    - If id is specified, they should be unique thruout the code. No same ids.
      * If non-unique id: use class instead
  + If the HTML Tag is referenced by a class:
    - .class{

style;

}

* External style sheet attributes:
  + position:absolute; (specify the position: top, left, right, bottom, etc.)

**JS**

* More notes: <https://www.w3schools.com/js/default.asp>
* <script> in body
* Can have external sheet .js
  + In body: do <script src=”source”></script>
* Define variables: var variablename = data;
  + Uses square brackets for lists
* Define functions: function functionname(){ ..code..}
* .addEventListener()
* If statements, looping