HTML Markup langauge

Hyper text markup langauge

CSS Styling langauge

Cascadiing style sheet

JAVASCRIPT Programming langauge

URL -->> Uniform resorce location

Resources might be html pages, video files, fonts, image etc

HTTP -->> Hyper text transfer protocol

HTTPS -->> HTTP with encryption

DOM -->> Document object model

First request from browser to server

GET /index.html HTTP/1.1

Host: [www.codewithmosh.com](http://www.codewithmosh.com)

Accept-Langauge: en-us

Response fron the server to browser

HTTP/1.1 200 OK

Date: 1 Jan 2021 09:00

Content-Type: text/html

<!DOCTYPE html>

<html>

…

</html>

**Things need to remember while using the HTML**

1. HTML is not a case sensitive langauge
2. Browser will remove all the whitespaces from the html so space is not necessory
3. Take a look at
   1. Text
   2. Links
   3. Images
   4. Lists and tables
   5. Container elements
   6. structural elements

Write index.html

<!DOCTYPE html>

<html>

    <head>

        <title>

            My first webpage

        </title>

    </head>

    <body>

    </body>

</html>

Right click on the anywhere in VS editor

Click on open with live server

This will open a new window on the browser and link is http://127.0.0.1:5500/index.html

Add image to html

This will comes into body section

<img scr=”” alt=””>

Here you have to add the sources of the image

Alt is the test if your image not appears then it shows some text there.

To add a paragraps can use

<p> </p>

<!DOCTYPE html>

<html>

    <head>

        <title>

            My first webpage

        </title>

    </head>

    <body>

        <img src="images/yagnik.png" alt="">

        <p>@yagnikpokal</p>

        <p>I am learning HTML</p>

    </body>

</html>

CSS will improve the looks and feel of the websites.

To add a CSS style we can use the

<style></style>

Now let us say we want to reduce the size of the image then

        <style>

            img {

                width: 100px;

            }

        </style>

So the full code will be

<!DOCTYPE html>

<html>

    <head>

        <title>

            My first webpage

        </title>

        <style>

            img {

                width: 100px;

            }

        </style>

    </head>

    <body>

        <img src="images/yagnik.png" alt="">

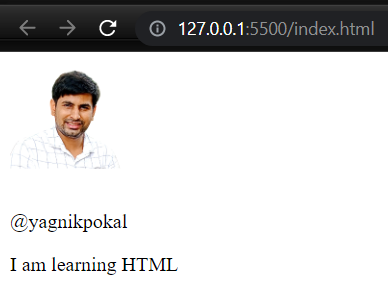
        <p>@yagnikpokal</p>

        <p>I am learning HTML</p>

    </body>

</html>

Result output will be



This image looks like a squere

Now to make this radial from all 4 circle we can use a property called border-radius: 50px;

<!DOCTYPE html>

<html>

    <head>

        <title>

            My first webpage

        </title>

        <style>

            img {

                width: 100px;

                border-radius: 50px;

            }

        </style>

    </head>

    <body>

        <img src="images/yagnik.png" alt="">

        <p>@yagnikpokal</p>

        <p>I am learning HTML</p>

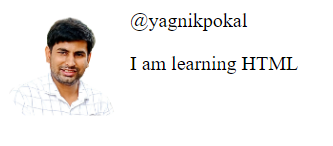
    </body>

</html>



To make these image to left side can use

float: left;



To add a margin in between image and text

margin-right: 10px;

<!DOCTYPE html>

<html>

    <head>

        <title>

            My first webpage

        </title>

        <style>

            img {

                width: 100px;

                border-radius: 50px;

                float: left;

                margin-right: 10px;

            }

        </style>

    </head>

    <body>

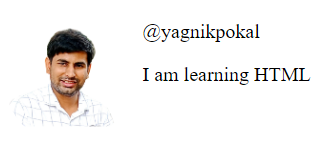
        <img src="images/yagnik.png" alt="">

        <p>@yagnikpokal</p>

        <p>I am learning HTML</p>

    </body>

</html>



To make username bold we have to allocate a class to to user name as below and need to add style as below

<p class="username">@yagnikpokal</p>

            .username {

                font-weight: bold;

            }

So the final code will be

<!DOCTYPE html>

<html>

    <head>

        <title>

            My first webpage

        </title>

        <style>

            img {

                width: 100px;

                border-radius: 50px;

                float: left;

                margin-right: 10px;

            }

            .username {

                font-weight: bold;

            }

        </style>

    </head>

    <body>

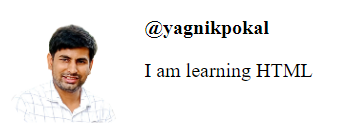
        <img src="images/yagnik.png" alt="">

        <p class="username">@yagnikpokal</p>

        <p>I am learning HTML</p>

    </body>

</html>



To check the HTML source code we can upload that file to the below link and it will give you error.

<https://validator.w3.org/>

To check the CSS validation

[https://jigsaw.w3.org/css-validator/](https://jigsaw.w3.org/css-validator/" \t "_blank)

Referance

<https://www.youtube.com/watch?v=qz0aGYrrlhU>

How to get a basic HTML template in VS?

Press ! then enter it will gove basic html template as below

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

</head>

<body>

</body>

</html>

Can add a keywords and descirption as below

    <meta name="keywords" content="semiconductor, chips, webdevelopement">

    <meta name="description" content="This is all that what website is about">

Shortcut to add the meta and other things

Can type meta in new line and select the what we have to write then it eill write all things automatcallyt.

To see result on the screen while editing go to the

<https://codepen.io/pen>

<center>

<hr size="3" noshade>

<h1>THE ADVENTURE OF</h1>

<br>

<h1>THE SHERLOCK HOLMES</h1>

<br>

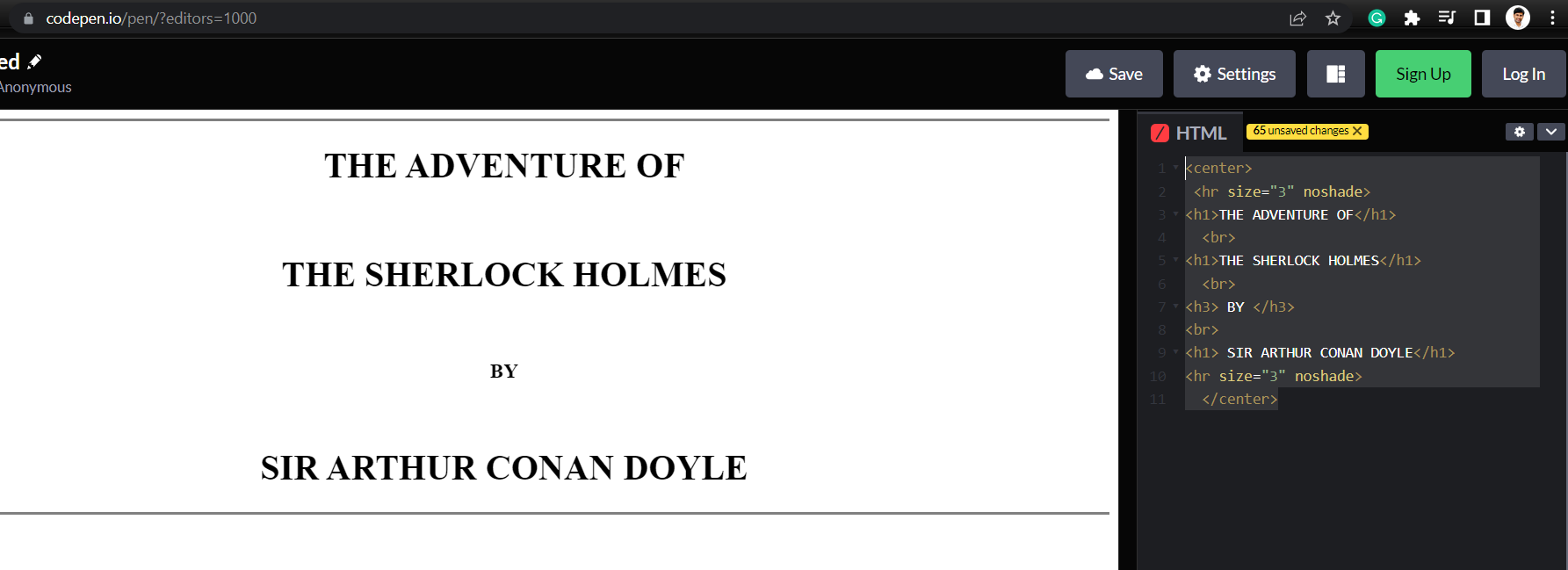
<h3> BY </h3>

<br>

<h1> SIR ARTHUR CONAN DOYLE</h1>

<hr size="3" noshade>

</center>



HTML heading elements

<https://devdocs.io/html/element/heading_elements>

HTML boilerlate

type ! and then enter in vs code will gove below item which is called as boilerplate.

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

</head>

<body>

</body>

</html>