**8/29/2022**

**Every starting <> needs an ending one with some exceptions such as <br />**

**Homework is worth 45 percent in the class**

**8/31/2022**

**Difference between WWW and the Internet- The internet is the network of connected computers that the web works on. The web are the pages you see when your device is online.**

**4 Different IP Address-**

* **Local/Private**
* **Public**
* **Static (permanent, used by servers)**
* **Dynamic (Occasionally changes, used for consumer equipment.)**

**In a static IP you can get a registered domain name.**

**DNS Server-( Domain Name System) - Helps change the domain name into an IP address.**

**Head Section in HTML gives you the header, top of the page. Holds the meta Information about the document.**

**Do not use spaces in filenames that is**

1. **Myfile.html NOT my file**
2. **Myfile.html -> better MyFile.HTML**
3. **Proper suffix -> JavaScript .js // html .hmtl // styles .css**

**9/2/2022**

1.) Your page content must be within the body tag --

2.) Three guidelines for creating proper HTML file names; Case sensitive name; end in ".HTML"; no spaces in the name.

3.) The content within the <title> tag is rendered at the top of the body.

4.) HTML renders random whitespace by ignoring it

**9/7//2022**

The tags to create a link that makes it clickable or links to another page. --- < a href = “blah.html”> my page </a>

A tag that makes every piece of f/ont blue and size 20 font.. <body style = "color: blue; font-size: 20px">

Three block level tags - <br /> <ol> and <h1>;; what are block level tags; they add new blocks or lines.

< span style> just highlight regular text

<style> embedded tag -- h1 { color: blue; font-style:italic.} Makes all h1 takes blue and italic unless they are overwritten

<link rel="stylesheet" href="mystyle.css"> automatically creates a CSS file.

Published to public\_html server file

Links have to work properly

Inline; embedded; external lines

Whichever is closest to the tag would overwrite the other.

9/9/2022

Span Id you can only use once, can’t duplicate you will get an error in the IDE.

Span tag is in line and div tag is a block tag.

We learned about setting defaults style for the entire page

How to set for individual html elements

.something is a class

Learned some new tags/properties

9/12/2022

Suppose you have the following CSS spec- <style> .blue\_stuff { color: blue; </style>

How do you make the following text use them – It’s the job that’s never started as takes longest to finish. (<span class ="blue\_stuff"> quote </span>

<https://media.discordapp.net/attachments/871775389771513870/1018868815284682813/unknown.png> -- <https://cdn.discordapp.com/attachments/871775389771513870/1018868880753569862/unknown.png>

30 px

<https://cdn.discordapp.com/attachments/871775389771513870/1018868947069718608/unknown.png>

purple

<https://cdn.discordapp.com/attachments/871775389771513870/1018869054204817458/unknown.png>

white

* A digital image is a format for encoding a way to represent a picture using RGB color format.

JPG – lossy ; designed specifically for true photographic reproduction

Gifs- lossless ;

Png- lossless

A:link; A:active; A:visited:

Did some about how to create a nav bar

9/14/2022

What is a semantic tag used for? They provide meaning to an HTML page rather than the presentation. <article>

What image format would be used to show logo with primary colors ?

* Gif

Which image file format is lossless ?

* png

Suppose you had an image that was 100px wide and 200px high called squrriel.png what width would the following image be <img srcssqurriel.png height = 100px >

Why is it important to add height or width to an img tag ?

* It would reserve space for the image so that text is not there.

Margin – area around the border

Span tag is in line and div tag is a block tag. In line tags don’t have height or width; but you can add a border.

Margin border and padding. Top right bottom left🡪 Margin: 20px 5px 25px 15px;

Position absolute- would be positioned exactly where it is told to be regardless of the content. Takes element out of the normal flow.

Positioning- relative, absolute, fixed, and static— is static cannot change the values.

Fixed and absolute (takes it to the very top of its parent container) take it out the flow of the content and would place it there.

Relative is where you want to put the item and what you specify.

9/19/2022

<https://cdn.discordapp.com/attachments/871775389771513870/1021405107109240842/unknown.png>

Css pseudo class is :hover, it can be used to change a button’s color when the user’s pointer hovers over it.

The Height is 178 px

<https://cdn.discordapp.com/attachments/871775389771513870/1021405345446379611/unknown.png>

Yellow Box on top that says hello and a box right below it that says world. There are 35 px between both boxes.

<https://cdn.discordapp.com/attachments/871775389771513870/1021405553941032970/unknown.png>

It puts a green box in the upper left of the page that says world in black font. In lowercase letters. It only says world because the boxes are overlayed .

Float is used for positioning that can be helpful, it would flow text to either the left or the right hand side of the page.

Media query –

Overflow –

How do you make a site to be mobile ready – use percentages and use media queries.

9/21/2022

1. Describe what the following does in your own words.
   1. @media screen and (max-width:400px) { .columnA, .columB, .columnC {

Width: 100%;}

**If the screen is less than 400 px the width would be at 100%**

1. What is the difference between these 2 tags:
   1. <div> moon </div> **Block tag**
   2. <span> moon </span> **In line tag**
2. List 3 property values for css overflow. In .nav\_menu { overflow: ???; background-color: #333; }
   1. **Hidden – it truncates text that goes outside of the current area being displayed**
   2. **Scroll adds a scroll bar**
   3. **Auto – adds scrolls bar only when necessary**
3. Suppose I have the following html tag: <a href= “aurora.edu”> AU </a>

How can you make the text AU green when you mouse over it.

* A:Hover color green

1. what are the elements of the box model starting from the outmost
   1. Margin, border, padding, content
2. grid-template-columns: defines the width of your grid columns
3. float is a way to move mainly images from the left or the right; allows you to wrap around text.

.item5 {

grid-column-start: 3;

grid-column-end: 4;

} – allows you to help set up the grid layout so if you take things out you can keep them locked into place on the grid.

9/26/2022

Learned about the form elements in css- Have to put all tags for a form under the form tag; Learned how to make new labels and ids for the forms. We also did a little bit more about the media query with grid.

9/30/2022

Why are people using bootstrap? A powerful yet simple way to develop a website that looks professionally done without doing much work.

We’ve learned a lot about bootstrap and changing up templates that we get from online. Learned about the different classes for bootstrap and how to customize them using the default classes of bootstrap that are available.

10/3/2022

We learned about bootstrap and the different templates that we did. Learned about the different classes that are in bootstrap and how to customize the webpages.

Learned about putting forms into bootstrap and changing them also putting icons. We also learned how to save file to the server.

10/5/2022

1. Describe what this bootstrap code does. Be clear and complete:

    <div class="col-sm-3 col-md-6" style="background-color:yellow;">  
      <p>Lorem ipsum...</p>  
    </div>

It puts a column in the top left of the page that only goes out halfway. It is the color yellow and it has the “lorem ipsum” in it.

2. How many columns in the bootrap grid?

12 columns

3. What is the difference between the .container and .container-fluid classes in bootStrap?

Container provides responsive fixed width container, container-fluid has a full width container, that spans the entire width.

4. What color do you expect this bootstrap button to be?

<button type="button" class="btn btn-primary">Primary</button>

It is a blue button

5. Describe what happens in the following code when the screen width size is

a. 576- there is a blue bar on the left with the text lorem in it and to the right of it there is a black bar.

b. 577- there is a blue bar on the left with the text lorem in it and to the right of it there is a black bar.

c. 575 px- at 575 there is a blue bar ontop of a black one and the blue bar has Lorem in it.

<div class="container-fluid">  
  <div class="row">  
    <div class="col-sm-6 bg-primary">  
      <p>Lorem ipsum...</p>  
    </div>  
    <div class="col-sm-6 bg-dark">  
      <p>Sed ut perspiciatis...</p>  
    </div>  
  </div>  
</div>

10/7/2022

. Write down three essential things to know about CSS?

1. The different style tags to use and positioning. How to set up different classes for style sheets. Specify image size so it looks better and loads faster. Linking an external style sheet.

2. Write down three essential things to know about bootstrap.

 it's a simpler way to style pages. There are default classes that you can change to your liking. container-fluid. 12 Columns to work per row.

Learned some javascript, how to add alert boxes and put in constraints into the code

let uName = ***document***.getElementById('uName').value;  
***console***.log(`uname is:${uName}`);  
alert(`uname is:${uName}`);  
let uAge = ***document***.getElementById('uAge').value;  
***console***.log(`uAge is:${uAge}`);  
alert(`uAge is:${uAge}`);  
let age = parseInt(uAge);  
let oStr = "<ol>";  
if (age >= 16) {  
 oStr += "<li>You can Drive </li>";  
}

10/10/2022

1. Where does the javascript (JS) code run?  Javascript is most often run on webpages inside the browser.

2. What does it mean that JS is dynamically types language? You can create variables at runtime, and the type of variables is determined at runtime.

3. What is the difference between the JS values of null and undefined? Undefined refers to a variable that doesn’t exist, and it isn’t defined to be anything. Null is a variable that is defined but is missing a value.

4. What standard does JavaScript follow? (that is standardize by what standard)?

ECMAScript Language Specification

10/12/22