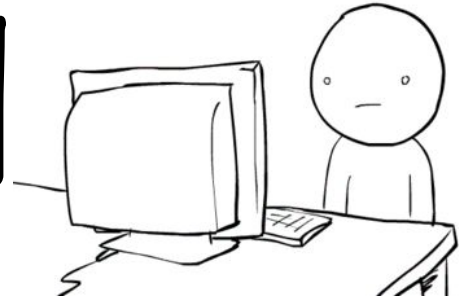




WEB DESIGN

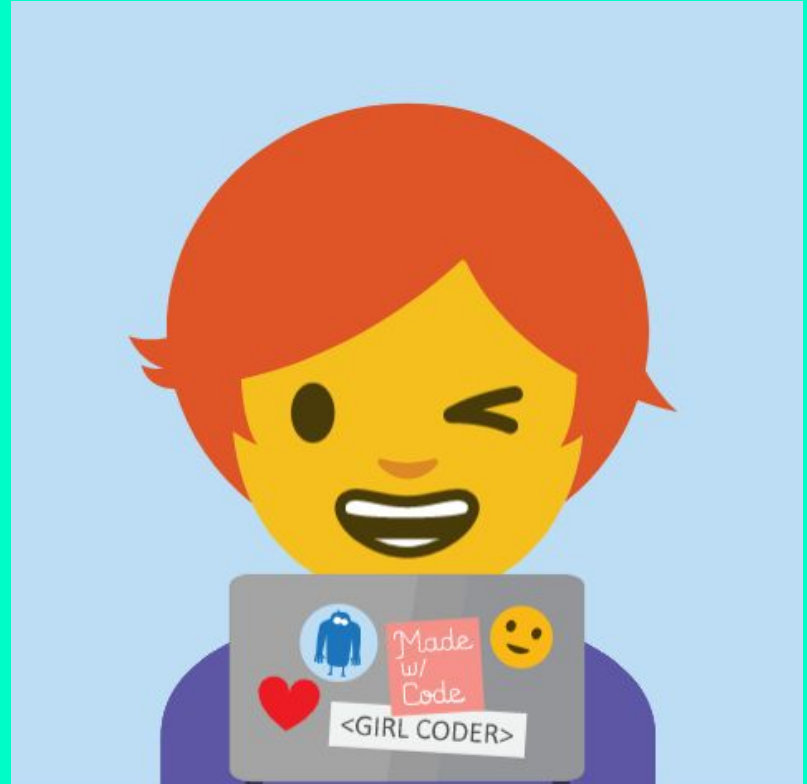


Michelle, Ruth, Afifa, Leah

Artemis Project 2017

WHAT IS WEB DESIGN?

- Web design is the process of creating websites.
- It includes many different aspects such as web page layout, content production, and graphic design.
- Web design uses HTML and CSS program languages to create the website.



HTML

- HTML stands for
 - **H**yper
 - **T**ext
 - **M**arkup
 - **L**anguage
- HTML is the layout of web pages.
- Structured using tags such as
 - Paragraphs
 - Lists
 - Headings
 - Footers
- This programming language is used to indicate how each piece of information is displayed on a website



HOW TO USE HTML

In HTML, the page is displayed or structured using tags.

Tags are very important because they tell the computer where to start and end

For example, if you type...

```
<p>Once upon a time, there was tomato. The End.  
</p>
```

```
<ul>  
  <li>Bird (Michelle)</li>  
  <li>Llama (Leah)</li>  
  <li>Cat (Ruth)</li>  
  <li>Tiger(Afifa)</li>  
</ul>
```

```
<footer>Artemis 2017</footer>
```



You get...

Once upon a time, there was tomato. The End.

- Bird (Michelle)
- Llama (Leah)
- Cat (Ruth)
- Tiger(Afifa)

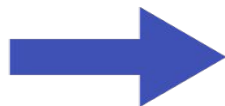
Artemis 2017





MORE EXAMPLES

I like to `CODE!`



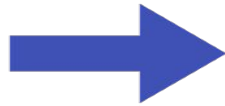
I like to **CODE!**

I like to `<i>CODE!</i>`



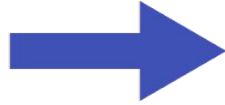
I like to *CODE!*

I like to `<u>CODE!</u>`



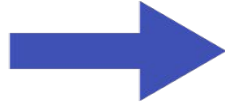
I like to CODE!

`<h1>Hello World</h1>`



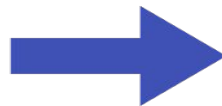
Hello World

`<h2>Hello World</h2>`



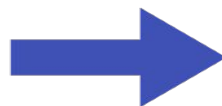
Hello World

`Google`



Google

``



We created
websites using
HTML and CSS.
This is what the
code looked like!

And this is what the
website looked like!



```
File Edit Find View Navigate Debug Help
X:/Desktop/RuthShiferawWebsite/pages/page2.html (Getting Started) - Brackets

Working Files
index.html
page2.html
page3.html
page4.html
page5.html
styles.css

Getting Started
screenshots
quick-edit.png
index.html
main.css

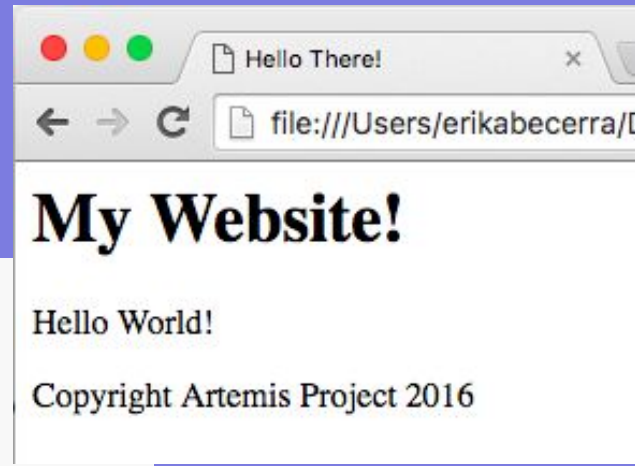

1 <!DOCTYPE html>
2 <html lang=en-US>
3 <head>
4 <title>Ruth's Website</title>
5 <link rel="stylesheet" type="text/css" href="//ad\eng\users\e\n\engart22\Desktop\RuthShiferawWebsite\styles.css">
6 </head>
7 <body class="Books">
8 <a href="//Desktop\RuthShiferawWebsite\index.html">
9
10 <a href="//Desktop/RuthShiferawWebsite/pages/page2.html" class="Navigation">Books</a>
11 <a href="//Desktop/RuthShiferawWebsite/pages/page3.html" class="Navigation">Netflix</a>
12 <a href="//Desktop/RuthShiferawWebsite/pages/page4.html" class="Navigation">Math</a>
13 <a href="//Desktop/RuthShiferawWebsite/pages/page5.html" class="Navigation">Coding</a>
14
15 <h1 class="BooksHeadings" title="Here is a list of my favorite books">Books</h1>
16
17 <p>
18
19 <a href="http://thelandofstories.com/"></a>
20
21 <h3 class="BooksHeadings" title="Author: Chris Colfer">The Land of Stories (Series)</h3>
22
23 The Land of Stories tells the tale of twins Alex and Conner. Through the mysterious powers of a cherished book of stories, they leave their world behind and find themselves in a foreign land full of wonder and magic where they come face-to-face with the fairy tale characters they grew up reading about. But after a series of encounters with witches, wolves, goblins, and trolls alike, getting back home is going to be harder than they thought.
24 </p>
25 <br><hr>
26 <p>
27 <a href="https://gabriellezevin.com/"></a>
28
29 <h3 class="BooksHeadings" title="Author: Gabrielle Zevin">Elsewhere</h3>
30
31 Is it possible to grow up while getting younger? Welcome to Elsewhere. It is warm, with a breeze, and the beaches are marvelous. It's quiet and peaceful. You can't get sick or any older. Curious to see new paintings by Picasso? Swing by one of Elsewhere's museums. Need to talk to someone about your problems? Stop by Marilyn Monroe's psychiatric practice. Elsewhere is where fifteen-year-old Liz Hall ends up, after she has died. It is a place so like Earth, yet completely different. Here Liz will age backward from the day of her death until she becomes a baby again and returns to Earth. But Liz wants to turn sixteen, not fourteen again. She wants to get her driver's license. She wants to graduate from high school and go to college. And now that she's dead, Liz is being forced to live a life she doesn't want with a grandmother she has only just met. And it is not going well. How can Liz let go of the only life she has ever known and embrace a new one? Is it possible that a life lived in reverse is no different from a life lived forward? This moving, often funny book about grief, death, and loss will stay with the reader long after the last page is turned.
32 </p>
33 <br><hr>
34 <p>
35 <a href="http://www.adamgidwitz.com/"></a>
36
37 <h3 class="BooksHeadings" title="Author: Adam Gidwitz">A Tale Dark and Grimm (Series)</h3>
38
39 Hansel and Gretel walk out of their own story and into eight other classic Grimm (and Grimm-inspired) fairy tales. An irreverent, witty narrator leads us through encounters with witches, warlocks, dragons, and the devil himself. As the siblings roam a forest brimming with menacing foes, they learn the true story behind the famous tales, as well as how to take charge of their destinies and create their own happily ever after. Because once upon a time, fairy tales were awesome.
40
41 </p>
42 <br><hr>
43 <p>
44 <a href="http://fallsapart.com/"></a>
45
46 </p>
47
48
```

Line 30, Column 5 — 79 Lines

INS HTML ▼ ○ Spaces: 4

```
4
5 <!DOCTYPE html>
6 <html>
7 <head>
8   <title></title>
9 </head>
10 <body>
11
12 </body>
13 </html>
```

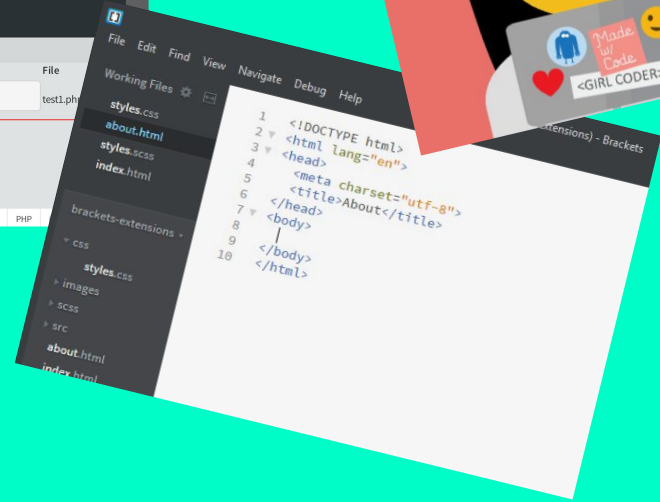
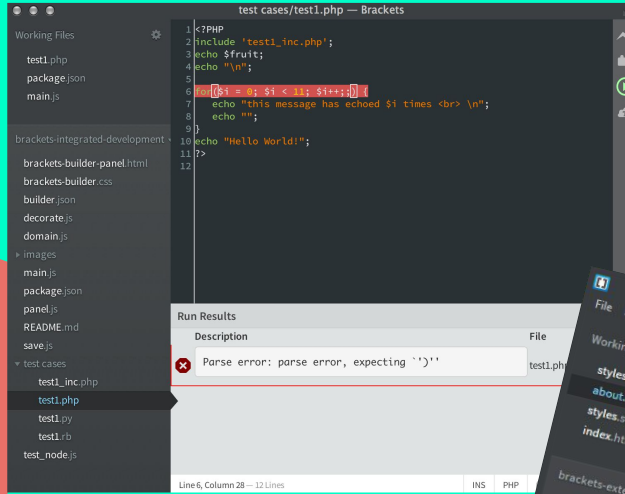
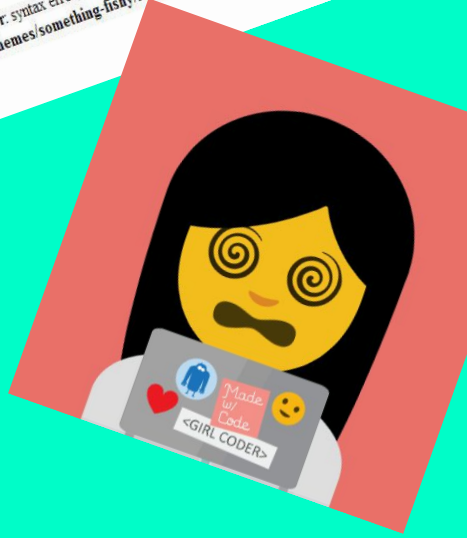
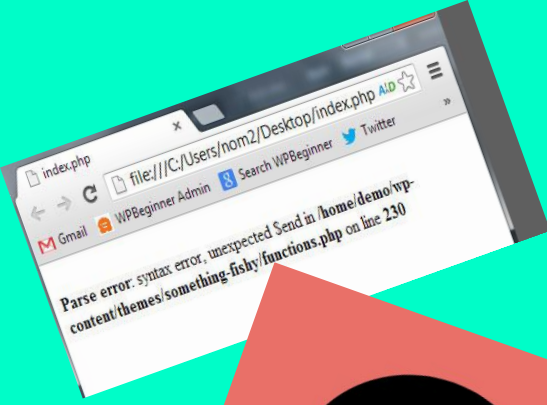
Program some
more...



```
1 ▼ <html>
2
3 ▼   <head>
4       <title>Hello There!</title>
5   </head>
6
7 ▼   <body>
8       <header><h1>My Website!</h1></header>
9
10      <p>Hello World!</p>
11
12      <footer>Copyright Artemis Project 2016</footer>
13
14  </body>|
15
16 </html>
```



Wow...What a
beautiful website....



Messed up and don't know where?

Don't worry, HTML programs tell you where your error is.



CSS

- CSS is an acronym for Cascading Style Sheets
- It adds colors, fonts, borders and backgrounds to the website
- In HTML, you would have to specify every time you want a heading to be a different size or color; with CSS you can design a style for a specific section of your website.
- Your website design is easier to modify with CSS than HTML
- CSS makes the website look pretty!



HOW TO USE CSS

Selector

h3{

color:green;

}

Property

Key:

- **Selector**: what to style (i.e. header 3 or h3)
- **Property**: what to change (i.e. Color)
- **Value**: What to see (i.e. turquoise)

Example:

This is Header 3

CLASSES AND IDENTIFICATIONS

- Anything you want to be read by the computer must be in between two curly brackets {}
- Use a semicolon at the end of each line
- The Selectors are usually HTML elements without the “<” and “>”
- Classes categorize specific elements.
 - Classes can be named and referred to later with that name.
 - If you want certain paragraphs to have the same font color, you would use classes.
- Div = Logical Divide
 - It's like a container
 - Can use ID to refer to them
 - Div lets you style everything with the ID at once. (similar to Classes)

HTML

```
<html>
<body>
  <div class = "Weird">
    <p>WOAH</p>
    <p>Okay</p>
    <p>Jelly</p>
  </div>
</body>
</html>
```



CSS

```
.Weird{
  color: blue;
}
```



Outcome

WOAH
Okay
Jelly



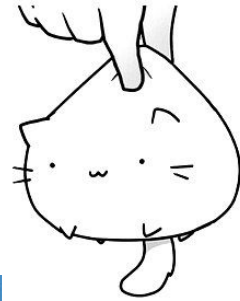
"BE WHO YOU ARE,
NOT WHO THE WORLD WANTS YOU TO BE"
-UNKNOWN



`<html>`

`.css {}`

100% YOU
100% TRUE
THIS IS CODING



ANY QUESTIONS?

