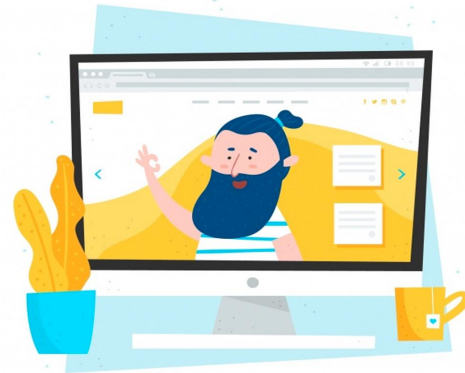# PERSONAL WEBSITE

What is our GOAL for this MODULE?

You will learn to build and host their very first personal portfolio website using advanced Web Development concepts thus initiating them into the world of youngest web developers.

What did we ACHIEVE in the class TODAY?

We started building a personal portfolio website.

Which CONCEPTS/ CODING did we cover today?

We started building a personal portfolio website.

How did we DO the activities?

We started with HTML coding:
The HTML document has two sections HEAD and BODY.

1. HEAD is used to provide title and connect external css and js files to html document. HEAD components are like "settings" of a webpage.

```
2    <head>
3        <title>Sir Tim Berners-Lee</title>
4        <link rel="stylesheet" href="style.css">
5    </head>
```

2. Webpage BODY is divided into two SECTIONS, 'Section1 Welcome' and 'Section2 bio'.

'SECTION1 Welcome': This has a profile image and says "I am Tim Beners Lee. I am the founder of www: World wide web."

This section has a div tag to space elements like img h1 and h2 one after the other. Also a
line break tag is used to separate line '*I am*' and '*Tim Beners Lee*'.

Section and div have separate classnames. We want the styling to be applied to the overlay div and section with the help of css.

The img file is downloaded from the internet and saved in the same folder to provide the src or the location to the html document.

```html
 9    <section id="welcome" class="parallax-container">
10        <div class="parallax-inner">
11            <img src="stbl.jpg" class="profile" />
12            <h1>I Am <br><span id="name">Tim Berners-Lee</span></h1>
13            <h2> I am the founder of www: World Wide Web</h2>
14        </div>
15    </section>
```

SECTION2: bio is the short biography or information about the founder of www.

There is a <div> tag with class line to provide a small underline between *Hi* and bio paragraph.

The bio text is enclosed in paragraph <p> tag with <br> line breaks.

```html
20    <section id="bio">
21        <h1>Hi!</h1>
22        <div class="line"></div>
23        <p>Tim Berners-Lee is a software engineer who invented the Internet (or the World Wide Web) in 1989 while at
24            CERN, the European Particle Physics Laboratory.
25
26            He is director of the World Wide Web Consortium that he founded and a Professor in the Computer Science
27            Department at the University of Oxford.
28
29            In 2001 he became a Fellow of the Royal Society and in 2004 he was knighted.<br /><br />In 1994 Berners-Lee
30            founded the World Wide Web Consortium (W3C) at the Laboratory of Computer Science (LCS) at the Massachusetts
31            Institute of Technology in Boston. It was made up of companies that wanted to work together to create Web
32            standards and also improve the Web. It was quickly agreed that the technology should be free of royalties
33            and patents. Berners-Lee has served as director of this W3C since it was founded.
34
35            In 1995 Microsoft produced the first version of Internet Explorer and this commercial browser created
36            enormous growth in websites and web users.
37
38            The Web was first used for e-commerce in 1997.</p>
39    </section>
```

This completes the html part.

CSS

1. The body has a margin 0 from all the sides and top padding of 550 pixels. Padding is the internal margin. It means when you want to arrange the contents internally, the contents of

the body will appear 550 pixels from top.

Margin is when you want to separate elements externally.

You can remember it as follows: Margin is the space outside the border of any element while padding is the space inside the border of any element.

We wanted to align the text in the center position that is present inside the body tag.

```
1    body {
2        margin: 0;
3        padding-top: 550px;
4        text-align: center;
5    }
```

2. Profile image is given a border radius of 50% percent to appear circular. Remember the img has classname 'Profile', so it has to be styled using the syntax (dot) .classname

```
7    .profile {
8        border-radius: 50%;
9    }
```

3. Welcome section has an absolute position and a display of table and background color is a range of linear gradients. That means a color range from somecolor at 0% section area to 100% section area.

You can copy the hex code of the color using any color picker.

```
11  #welcome {
12      position: absolute;
13      bottom: 0;
14      background: linear-gradient(■ #60ebeb 0%, ■ #27ae60 100%);
15      display: table;
16      width: 100%;
17      height: 100%;
18  }
```

HEX
#34eb89

Just google "colorpicker" and choose the color and copy-paste the hex code.
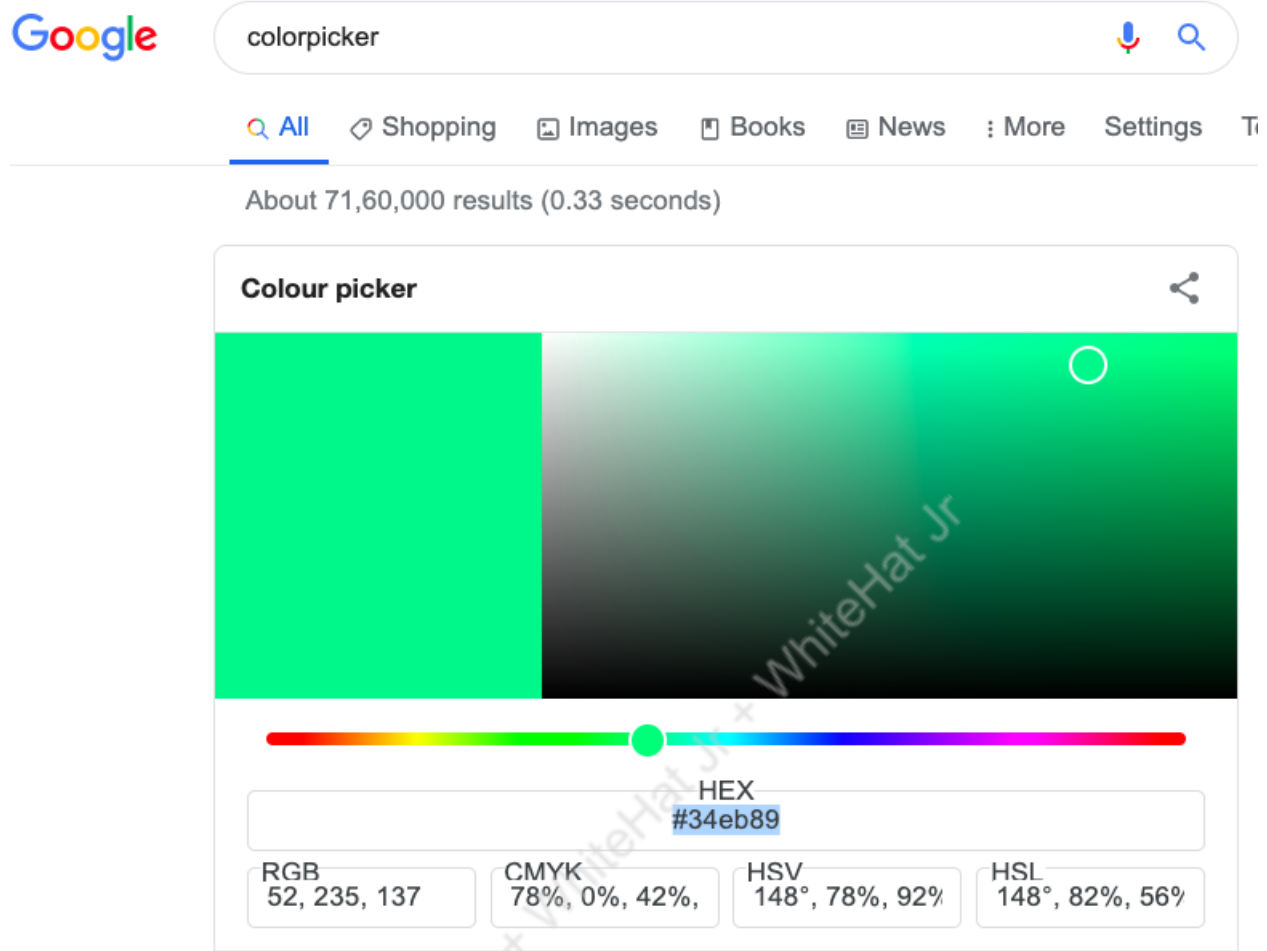
Width and height is set to occupy 100% of the screen along with bottom set to 0.

4. All the three texts have different font-family.
    A- I am
    B- Tim Berners-Lee
    C- I am the founder of www.

Remember, if you are styling tag name, use just the tag name like h1 and h2 here.
but if you want to style using id, use the syntax (hash) #idname.

```
20 ∨  h1 {
21         font-size: 40px;
22         font-family: sans-serif;
23         font-weight: 300;
24     }
25
26 ∨  #name {
27         font-size: 50px;
28         font-family:  cursive;
29     }
30
31 ∨  h2 {
32         font-size: 30px;
33         font-weight: 300;
34         font-family: monospace;
35     }
```

5. Section Bio has a different style of font that is cursive and padding with 50px. It also has an EMPTY `<div class="line"></div>` div element. This is just to color the div element as a black rectangle with width 70px and height 6px along with margin 8px auto to make it appear as a line that separates the Bio Title and the Bio Paragraph.

```
37    #bio {
38        font-family: cursive;
39        padding: 50px;
40    }
41
42    .line {
43        height: 6px;
44        background-color: ■#000;
45        width: 70px;
46        margin: 8px auto;
47    }
```

Margin auto aligns itself horizontally.

6. Remember, we have the div with id name 'parallel-inner' to overlay right on the Welcome section. So for that we have set the display of the Welcome section as a table and set the display of the parallel-inner division as table cell so that div elements appear on the section. And aligned it vertically in the middle.

```
49    .parallax-inner {
50        display: table-cell;
51        vertical-align: middle;
52    }
```

If you do not understand something from code, it is always good to select that word and it will show the definition of that.

```
text-align: center;
```
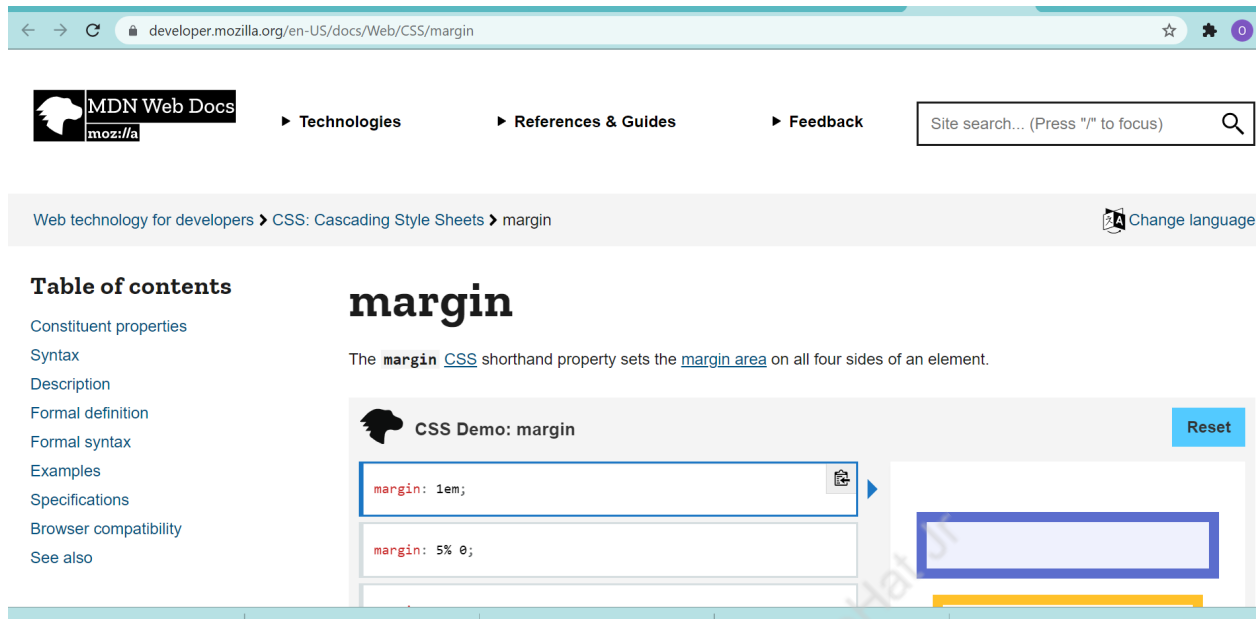
Shorthand property to set values the thickness of the margin area. If left is omitted, it is the same as right. If bottom is omitted it is the same as top, if right is omitted it is the same as top. Negative values for margin properties are allowed, but there may be implementation-specific limits.

Syntax: [<length> | <percentage> | auto]{1,4}

MDN Reference

```
margin: 8px auto;
```

It will take you to the web page where the things are described in detail.

What's next: In the next class, we'll continue to work on building by adding menu bar and some more CSS features.

EXTEND YOUR KNOWLEDGE

Here are Few Best Reference Links we compiled to extend your knowledge about the concept we learnt today in the class. This will help you become pro at coding and creating industry grade tech products

Short Videos: Watch these Short Videos to Understand the Class Concepts Applied in Real World Applications.

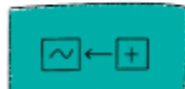https://www.youtube.com/watch?v=WUpQsDxGXe0

STUDY ZONE

[Group selectors]

☞ All sibling selector

☞ Multiple selectors

https://www.youtube.com/watch?v=stNQBoPtkho

Coding Playground: Try Out These code examples yourself to deepen your knowledge

Introduction to HTML
w3schools.com

https://www.w3schools.com/html/html_intro.asp

CSS color property
w3schools.com

https://www.w3schools.com/cssref/pr_text_color.asp

CSS Selectors Reference
w3schools.com

https://www.w3schools.com/cssref/css_selectors.asp