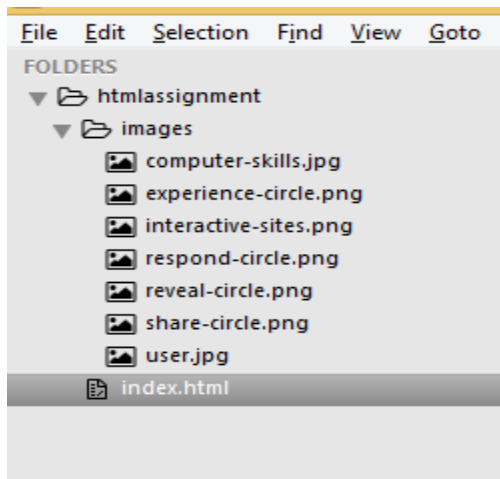


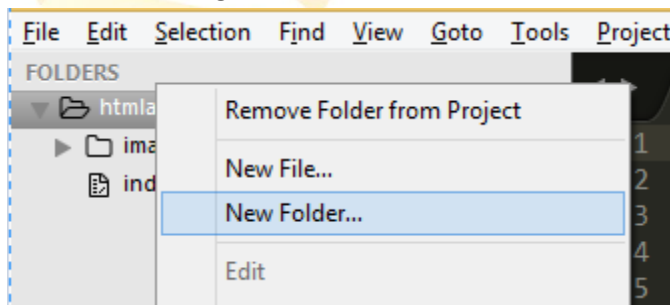
## Day 5 Workshop Lab Manual

**Description:** This lab manual will guide you to apply Cascading Style Sheet (CSS) in your html document “index.html”, which you have created in earlier exercise.

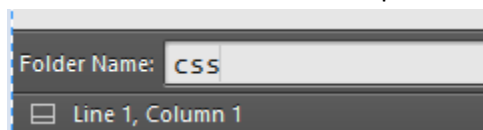
1. Copy the “**images**” folder from “**starter-files**” folder into your project directory. Images folder will contain all the required images, which will be used in your web page.
2. Open your project in Sublime text editor and it should look like as shown below:



3. Since we are going to create CSS files, we will keep all CSS file into a separate folder under project folder. Create a new folder inside “htmlassignment” folder. To create new folder, right click on “htmlassignment” folder and choose “**New Folder**” option as shown below.



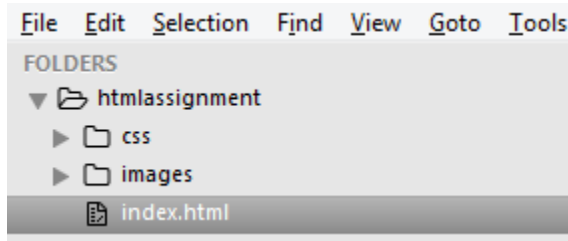
4. Enter folder name as “**css**” and press enter.



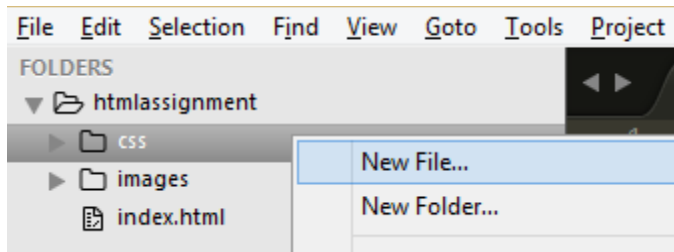
5. Your project structure should display “**css**” folder as shown below.

### Disclaimer:

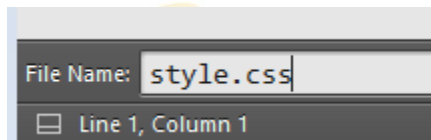
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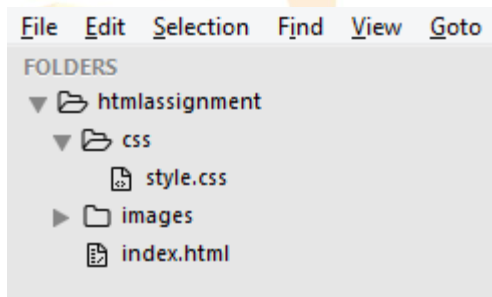
6. Now we will create a new css file. To create a new file, right click on “css” folder and choose option “**New File**” as shown below:



7. Enter file name as “style.css” and press enter.



8. Your new file “**style.css**” should be listed under css folder as shown below.



9. Open “**index.html**” and <link> tag after <title> tag inside <head> element as shown below.

```
<head>
  <title>
    user120240
  </title>
  <link rel="stylesheet" type="text/css" href="">
</head>
```

10. Now you have to include your **style.css** file in **index.html**. To do so, you have to assign URL of style.css with respect to index.html to href attribute of <link> tag. Here url is “**css/style.css**”.

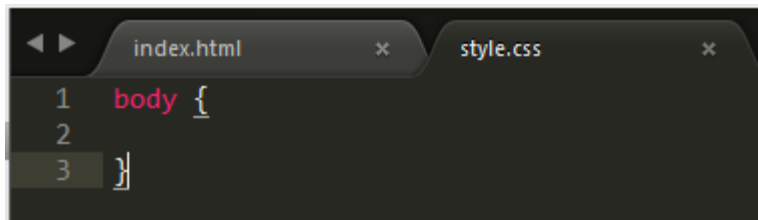
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Assign value "css/style.css" to href attribute as shown below.

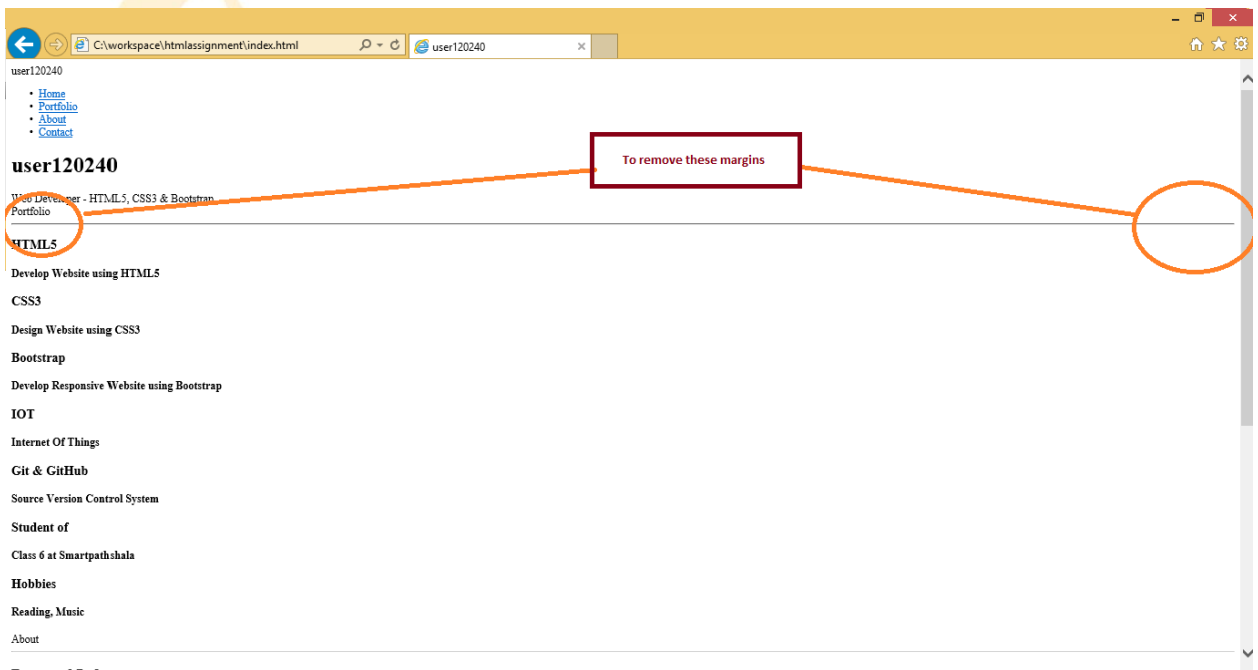
```
<head>
  <title>
    user120240
  </title>
  <link rel="stylesheet" type="text/css" href="css/style.css">
</head>
```

- Now you will write css styles for your index.html. **Open style.css** file. First of all, write css for **<body>** tag. To do so, we will use element selector for **<body>** tag as shown below.



```
1 body {
2
3 }
```

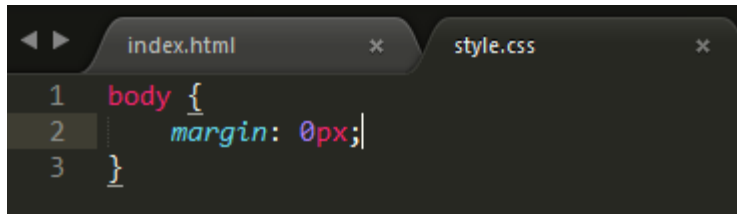
- Open index.html in browser and you can see default margin (as an empty space) for **<body>** as shown below.



- To remove default margin of **<body>**, set **margin** property to **0px** as shown below:

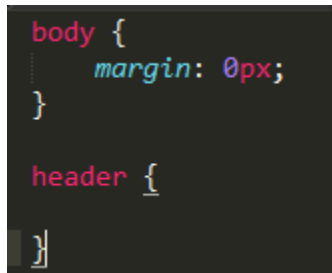
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```
index.html x style.css x
1 body {
2   margin: 0px;
3 }
```

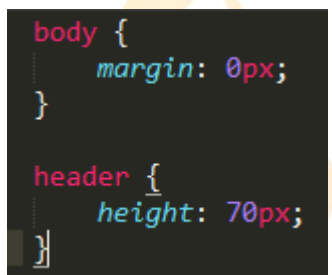
14. Now you will apply styles for <header> element. Use element selector for **<header>** and write code in style.css as shown below.



```
body {
  margin: 0px;
}

header {
}
```

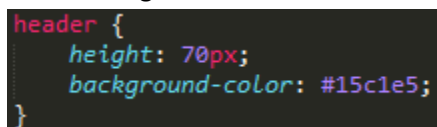
15. To define the height of <header> element use **height** attribute and set its value as **70px** as shown below.



```
body {
  margin: 0px;
}

header {
  height: 70px;
}
```

16. Now define the background color of <header> element to display on web browser. Use **background-color** attribute to define background color as shown below. Here you are using Hex color coding.



```
header {
  height: 70px;
  background-color: #15c1e5;
}
```

17. Save your files and open your index.html in browser (if you have already opened in web browser, then right click on web page and select refresh/reload option) and verify your changes. Your web page should look like as shown below

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user120240

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user120240

Web Developer - HTML5, CSS3 & Bootstrap  
Portfolio

## HTML5

Develop Website using HTML5

## CSS3

Design Website using CSS3

## Bootstrap

Develop Responsive Website using Bootstrap

## IOT

Internet Of Things

## Git & GitHub

Source Version Control System

## Student of

Class 6 at Smartpathshala

## Hobbies

Reading, Music

About

## Personal Info

I am user120240, I study in Smartpathshala in 6th standard. I am 12 years old and live in Ghaziabad. I live with my parents. My father Mr. ABC is a businessman and my mother Mrs. XYZ is a housewife. I am a fun loving person who loves to Reading, Music and is passionate to become IOT specialist.

## Professional Info

I user120240 is in class 6 is working on technologies such as HTML5, CSS, Bootstrap and IoT. My initial work was started at Smartpathshala with the help of Smartpathshala an initiative by Knight Learning Solutions Pvt Ltd. I have developed and designed a responsive website with complete understanding of working of different elements. I can develop different projects using same skills and in future I shall initiate different modules using IoT.

Contact

## My Address

II,  
ABC Nagar, XYZ,  
PQR- 222222

user120240@gmail.com  
+919999999999

## Submit Your Query Here

Enter your name  Enter your email  Enter your mobile number

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- Now you will fix header so that on page scroll, your navigation menu remain on top of the page. To do so, you have to add property position, top, left and right with values **fixed, 0, 0 and 0** respectively as shown below.

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```
header {  
    height: 70px;  
    background-color: #15c1e5;  
    position: fixed;  
    top: 0;  
    left: 0;  
    right: 0;  
}
```

19. Save your files and now open your index.html in browser (if you have already opened in web browser, then right click on web page and select refresh/reload option) and verify your changes.
20. You should be able to see your page header as fixed on top of the page and remains visible on page scroll.
21. Now you are going to write styles for div, which contains your name inside <header>. Open your index.html and add **class** attribute to first <div> tag in <header> element as shown below.

```
<header>  
  <div class="">  
    user120240  
  </div>  
  <div>
```

22. Assign value “**logo**” to class attribute of div, which you added in previous step as shown below.

```
<header>  
  <div class="logo">  
    user120240  
  </div>
```

23. Now write css styles for class “**logo**” in **style.css**. Define logo class as shown below.

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```
header {
  height: 70px;
  background-color: #15c1e5;
  position: fixed;
  top: 0;
  left: 0;
  right: 0;
}

.logo {
}
```

24. Add property **float** with value **left** to align the <div> from left as shown below.

```
header {
  height: 70px;
  background-color: #15c1e5;
  position: fixed;
  top: 0;
  left: 0;
  right: 0;
}

.logo {
  float: left;
}
```

25. Add property **display** with value **block** to display <div> as block, as shown below.

```
.logo {
  float: left;
  display: block;
}
```

26. Add **font styles** to class logo to display formatted text. You will add properties like **font-size**, **font-family**, **font-weight**, **color** and **text-transform** as shown below.

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```
.logo {  
  float: left;  
  display: block;  
  font-size: 1.5em;  
  font-family: "Raleway", sans-serif;  
  font-weight: 700;  
  color: #fff;  
  text-transform: uppercase;  
}
```

27. Now you will add **margin** property to give margin for the <div> element as shown below.

```
.logo {  
  float: left;  
  display: block;  
  font-size: 1.5em;  
  font-family: "Raleway", sans-serif;  
  font-weight: 700;  
  color: #fff;  
  text-transform: uppercase;  
  margin-top: 25px;  
  margin-right: 80px;  
  margin-bottom: 25px;  
  margin-left: 80px;  
}
```

28. Save your files and open your index.html in browser (if you have already opened in web browser, then right click on web page and select refresh/reload option) and verify your changes.

29. Your page should look similar to what is shown below.

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USER120240

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Web Developer - HTML5, CSS3 & Bootstrap  
Portfolio

## HTML5

Develop Website using HTML5

## CSS3

Design Website using CSS3

## Bootstrap

Develop Responsive Website using Bootstrap

## IOT

Internet Of Things

## Git & GitHub

Source Version Control System

## Student of

Class 6 at Smartpathshala

Knights

30. You have applied styles to logo class to display your name in header. Now you will apply css style to **menu links**.

31. Add “**class**” attribute with value “**menu**” to the second <div> inside <header> element, which contains <ul> tag as shown below.

```
<header>
  <div class="logo">
    user120240
  </div>
  <div class="menu">
    <ul>
      <li> <a href="#profile"> Home </a> </li>
      <li> <a href="#portfolio"> Portfolio </a> </li>
      <li> <a href="#about"> About </a></li>
      <li> <a href="#contact"> Contact </a></li>
    </ul>
  </div>
</header>
```

32. Define “**menu**” class in **styles.css** as shown below.

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```
.logo {  
    float: left;  
    display: block;  
    font-size: 1.5em;  
    font-family: "Raleway", sans-serif;  
    font-weight: 700;  
    color: #fff;  
    text-transform: uppercase;  
    margin-top: 25px;  
    margin-right: 80px;  
    margin-bottom: 25px;  
    margin-left: 80px;  
}  
.menu {  
}
```

33. You will align **menu** <div> to right using property **float**. Add **float** and **text-align** properties with values **right** and **center** respectively as shown below.

```
.menu {  
    float: right;  
    text-align: center;  
}
```

34. Save your files and now open your index.html in browser (if you have already opened in web browser, then right click on web page and select refresh/reload option) and verify your changes.
35. Your page should look similar to what is shown below. You can see your menus are aligned right.

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USER120240

Web Developer - HTML5, CSS3 & Bootstrap  
Portfolio

- [Home](#)
- [Portfolio](#)
- [About](#)
- [Contact](#)

**HTML5**

Develop Website using HTML5

**CSS3**

Design Website using CSS3

**Bootstrap**

Develop Responsive Website using Bootstrap

**IOT**

Internet Of Things

Git &amp; GitHub

Source Version Control System

Student of

36. Now you will apply styles to `<ul>` tag using element selector. Define ul element selector in **style.css** as shown below.

```
.menu {  
    float: right;  
    text-align: center;  
}  
  
ul {  
}
```

37. You will use **list-style-type**, **margin**, **padding** and **width** properties of `<ul>` as shown below.

```
ul {  
    list-style-type: none;  
    margin: 0px;  
    padding: 0px;  
    width: 100%;  
}
```

38. Now you will apply styles to `<li>` tag using element selector. Define li element selector in **style.css** as shown below.

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```
ul {  
    list-style-type: none;  
    margin: 0px;  
    padding: 0px;  
    width: 100%;  
}  
  
li {  
  
}
```

39. Add property **float** with value **left** to align <li> from left as shown below.

```
li {  
    float: left;  
}
```

40. Now we will apply styles to descendant <a> tag of <li> using descendant selector. Define <li> descendant selector in style.css as shown below.

```
li {  
    float: left;  
}  
  
li a {  
  
}
```

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41. We will use display, color, text-align, padding, text-decoration and text-transform properties as shown below.

**Disclaimer:**

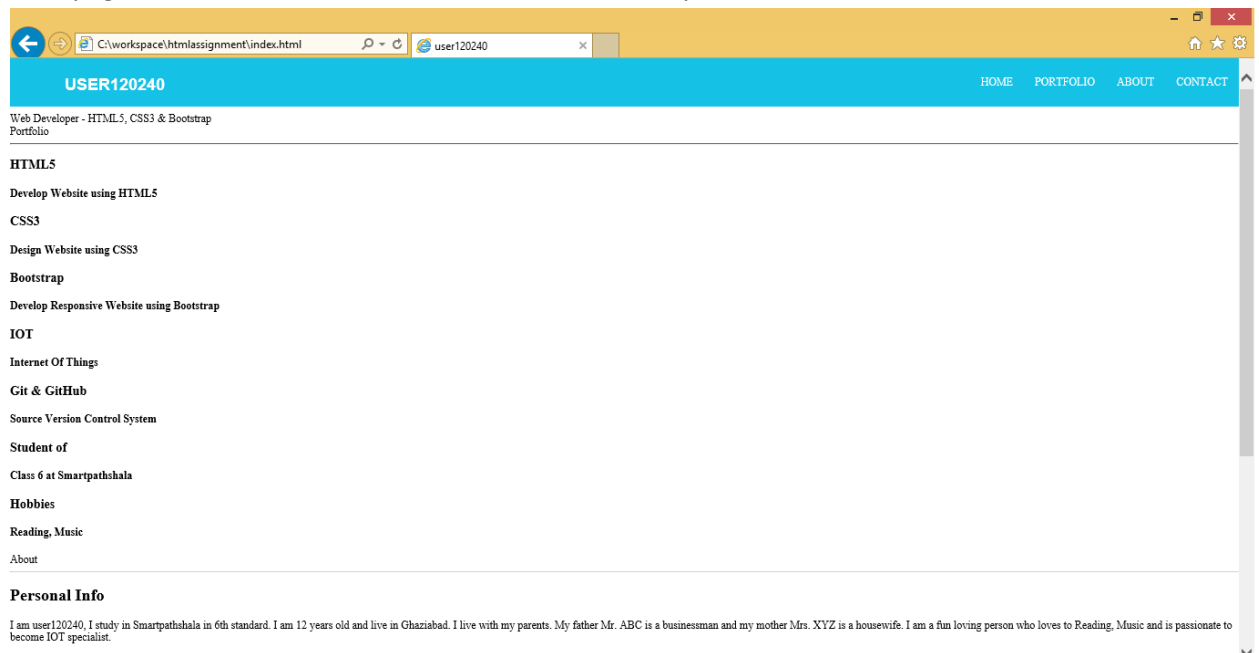
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```
li {
    float: left;
}

li a {
    display: block;
    color: white;
    text-align: center;
    padding: 26px 16px;
    text-decoration: none;
    text-transform: uppercase;
}
```

42. Save your files and now open your index.html in browser (if you have already opened in web browser, then right click on web page and select refresh/reload option) and verify your changes.

43. Your page should look like as shown below. You can see your menus are as shown below.



44. Now you will add background color to Menus. Add “class” attribute with value “bgGreen” to the second <a> (with href to #portfolio) inside <ul> element in index.html as shown below.

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```
<ul>
  <li> <a href="#profile"> Home </a> </li>
  <li> <a class="bgGreen" href="#portfolio"> Portfolio </a> </li>
  <li> <a href="#about"> About </a></li>
  <li> <a href="#contact"> Contact </a></li>
</ul>
```

45. Now define class “bgGreen” in style.css as shown below.

```
li a {
  display: block;
  color: white;
  text-align: center;
  padding: 26px 16px;
  text-decoration: none;
  text-transform: uppercase;
}

.bgGreen {
```

46. Add background-color property to bgGreen class as shown below.

```
.bgGreen {
  background-color: #9bba1f;
}
```

47. Add “class” attribute with value “bgRed” to the third <a> (with href to #about) inside <ul> element in index.html as shown below.

```
<ul>
  <li> <a href="#profile"> Home </a> </li>
  <li> <a class="bgGreen" href="#portfolio"> Portfolio </a> </li>
  <li> <a class="bgRed" href="#about"> About </a></li>
  <li> <a href="#contact"> Contact </a></li>
</ul>
```

48. Now define class “bgRed” in style.css as shown below.

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```
.bgGreen {
    background-color: #9bba1f;
}
.bgRed {
}
```

49. Add background-color property to **bgRed** class as shown below.

```
.bgRed {
    background-color: #f73f3f;
}
```

50. Add “class” attribute with value “**bgYellow**” to the third <a> (with href to #contact) inside <ul> element in index.html as shown below.

```
<ul>
  <li> <a href="#profile"> Home </a> </li>
  <li> <a class="bgGreen" href="#portfolio"> Portfolio </a> </li>
  <li> <a class="bgRed" href="#about"> About </a></li>
  <li> <a class="bgYellow" href="#contact"> Contact </a></li>
</ul>
```

51. Now define class “**bgYellow**” in style.css as shown below.

```
.bgRed {
    background-color: #f73f3f;
}

.bgYellow {
}
```

52. Add background-color property to **bgYellow** class as shown below.

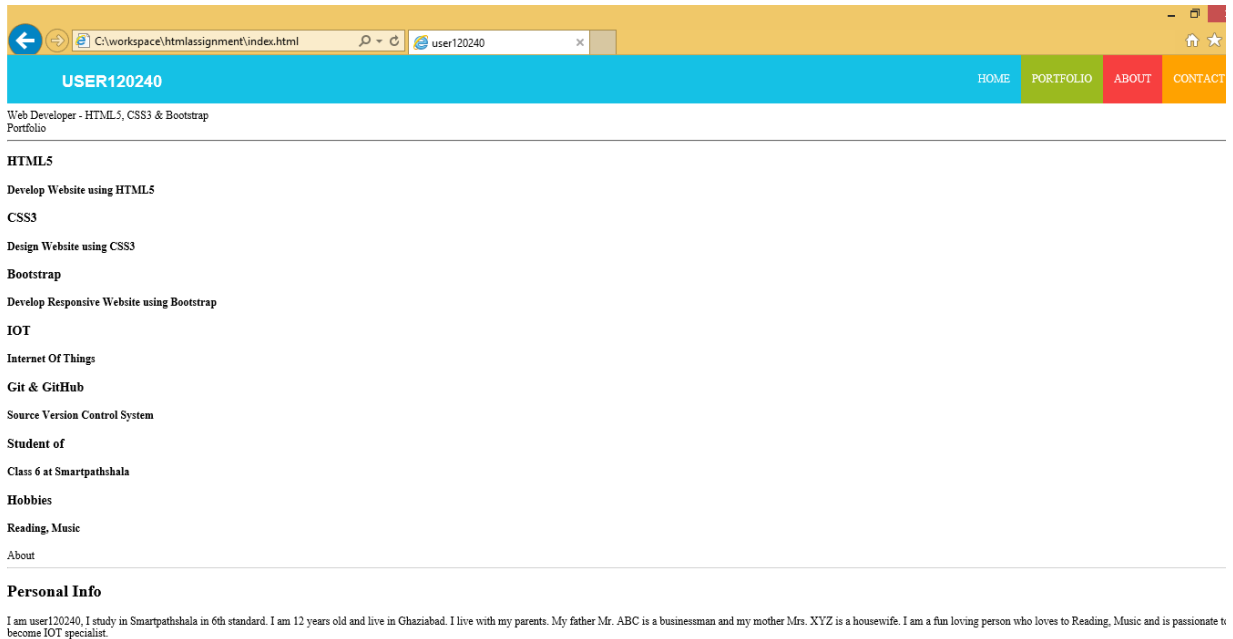
```
.bgYellow {
    background-color: #ffa200;
}
```

53. Save your files and now open your index.html in browser (if you have already opened in web browser, then right click on web page and select refresh/reload option) and verify your changes.

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54. Your page should look like as shown below. You can see your menus background color as shown below.



55. Now will apply styles to profile section. Add **id** attribute with value “**profile**” to the **<section>** element, that lies just after the **</header>** element in index.html as shown below.

```
</header>
<section id="profile">
  <div> </div>
  <div>
    <h1> user120240 </h1>
    <span> Web Developer - HTML5, CSS3 & Bootstrap </span>
  </div>
</section>
```

56. Now add **class** attribute with value “**hero**” to the same **<section>** element in index.html as shown below

```
<section id="profile" class="hero">
  <div> </div>
  <div>
    <h1> user120240 </h1>
    <span> Web Developer - HTML5, CSS3 & Bootstrap </span>
  </div>
</section>
```

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57. Define class “**hero**” in style.css as shown below.

```
.bgYellow {
    background-color: #ffa200;
}

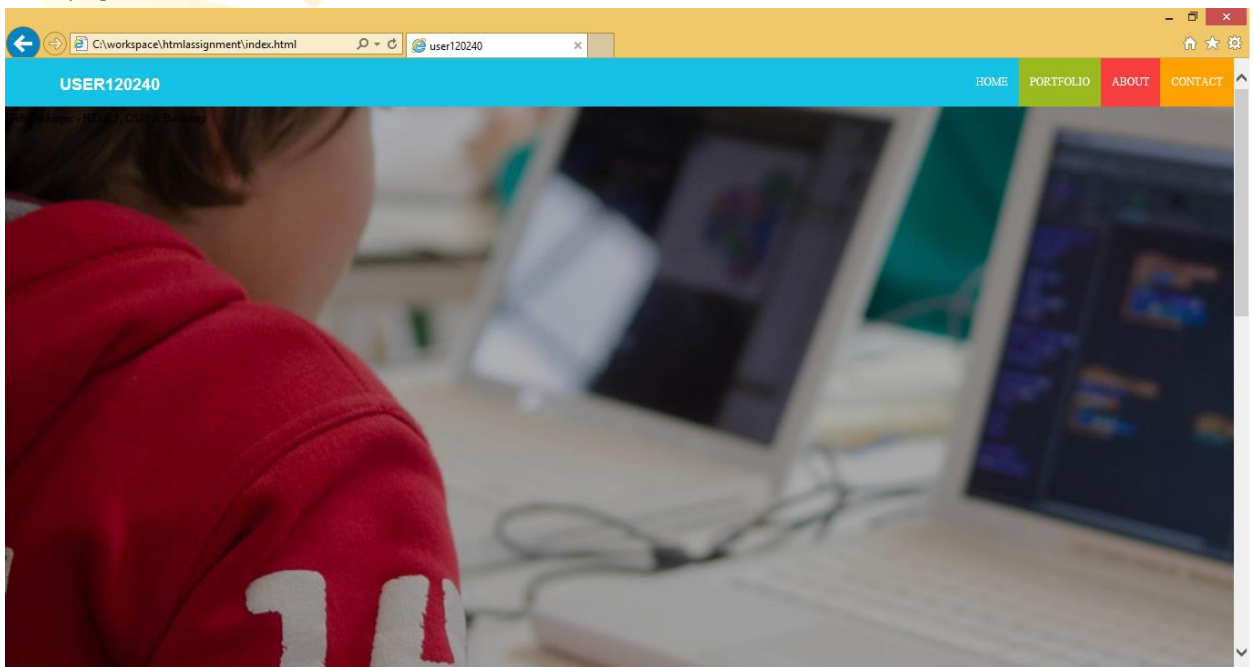
.hero {
}
```

58. Now add **background**, **position**, **min-height**, **height**, **z-index** and **background-size** to the hero class as shown below.

```
.hero {
    background: url("../images/computer-skills.jpg");
    position: relative;
    min-height: 450px;
    height: 100vh;
    z-index: -1;
    background-size: cover;
}
```

59. Save your files and now open your index.html in browser (if you have already opened in web browser, then right click on web page and select refresh/reload option) and verify your changes.

60. Your page should look like as shown below.



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61. Now add class attribute with value “circle” to the first <div> inside <section> element in index.html as shown below

```
<section id="profile" class="hero">
  <div class="circle"> </div>
  <div>
    <h1> user120240 </h1>
    <span> Web Developer - HTML5, CSS3 & Bootstrap </span>
  </div>
</section>
```

62. Define class “circle” in style.css as shown below.

```
.hero {
  background: url("../images/computer-skills.jpg");
  position: relative;
  min-height: 450px;
  height: 100vh;
  z-index: -1;
  background-size: cover;
}

.circle {
}
```

63. Now add **background**, **background-size**, **position**, **top**, **left**, **transform**, **width**, **height**, **margin** and **border-radius** to the circle class as shown below.

**Note:** Here user.jpg is used as sample image. You have to have your image inside images folder and instead of user.jpg, enter your image name.

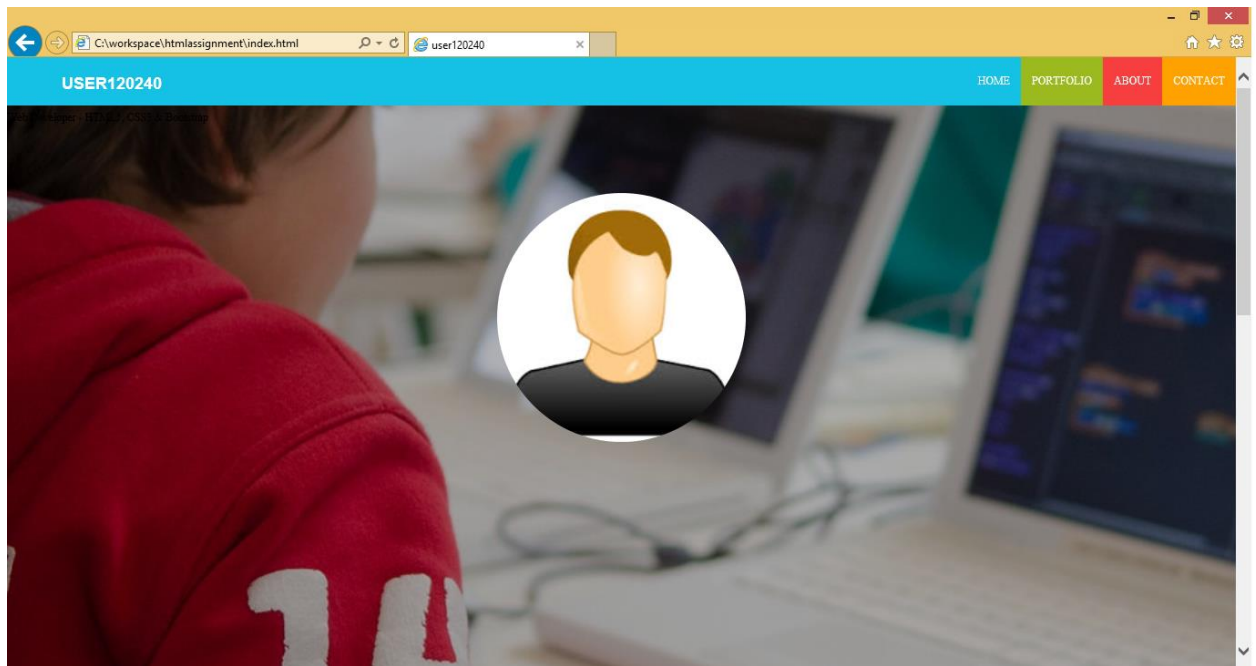
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```
.circle {  
    background: url(../images/user.jpg) center center no-repeat;  
    background-size: cover;  
    position: absolute;  
    top: 40%;  
    left: 50%;  
    transform: translate(-50%, -50%);  
    width: 20vw;  
    height: 20vw;  
    margin: 0 auto;  
    border-radius: 50%;  
}
```

64. Save your files and now open your index.html in browser (if you have already opened in web browser, then right click on web page and select refresh/reload option) and verify your changes.

65. Your page should look like as shown below.



66. Now add class attribute with value “**name**” to the <h1> tag inside second <div> present under <section> element in index.html as shown below

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```
<section id="profile" class="hero">
  <div class="circle"> </div>
  <div>
    <h1 class="name"> user120240 </h1>
    <span> Web Developer - HTML5, CSS3 & Bootstrap </span>
  </div>
</section>
```

67. Define class “**name**” in style.css as shown below.

```
.circle {
  background: url(../images/user.jpg) center center no-repeat;
  background-size: cover;
  position: absolute;
  top: 40%;
  left: 50%;
  transform: translate(-50%,-50%);
  width: 20vw;
  height: 20vw;
  margin: 0 auto;
  border-radius: 50%;
}

.name {
}
```

68. Now add font-size, font-family, font-weight, color, display, text-transform, margin-top, margin-bottom, position, top, left, text-align to class **name** as shown below.

```
.name {
  font-size: 3em;
  font-family: Raleway,sans-serif;
  font-weight: 700;
  color: #fff;
  display: block;
  text-transform: uppercase;
  margin-top: 10px;
  margin-bottom: 10px;
  position: absolute;
  top: 70%;
  left: 40%;
  text-align: center;
}
```

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69. Now add class attribute with value “skills” to the <span> tag inside **second <div>** under <section> element in index.html as shown below

```
<section id="profile" class="hero">
  <div class="circle"> </div>
  <div>
    <h1 class="name"> user120240 </h1>
    <span class="skills"> Web Developer - HTML5, CSS3 & Bootstrap </span>
  </div>
</section>
```

70. Define class “skills” in style.css as shown below.

```
.name {
  font-size: 3em;
  font-family: Raleway,sans-serif;
  font-weight: 700;
  color: #fff;
  display: block;
  text-transform: uppercase;
  margin-top: 10px;
  margin-bottom: 10px;
  position: absolute;
  top: 70%;
  left: 40%;
  text-align: center;
}

.skills {
```

71. Now add **font-size, font-weight, color, position, top** and **left** to the class **skills** as shown below.

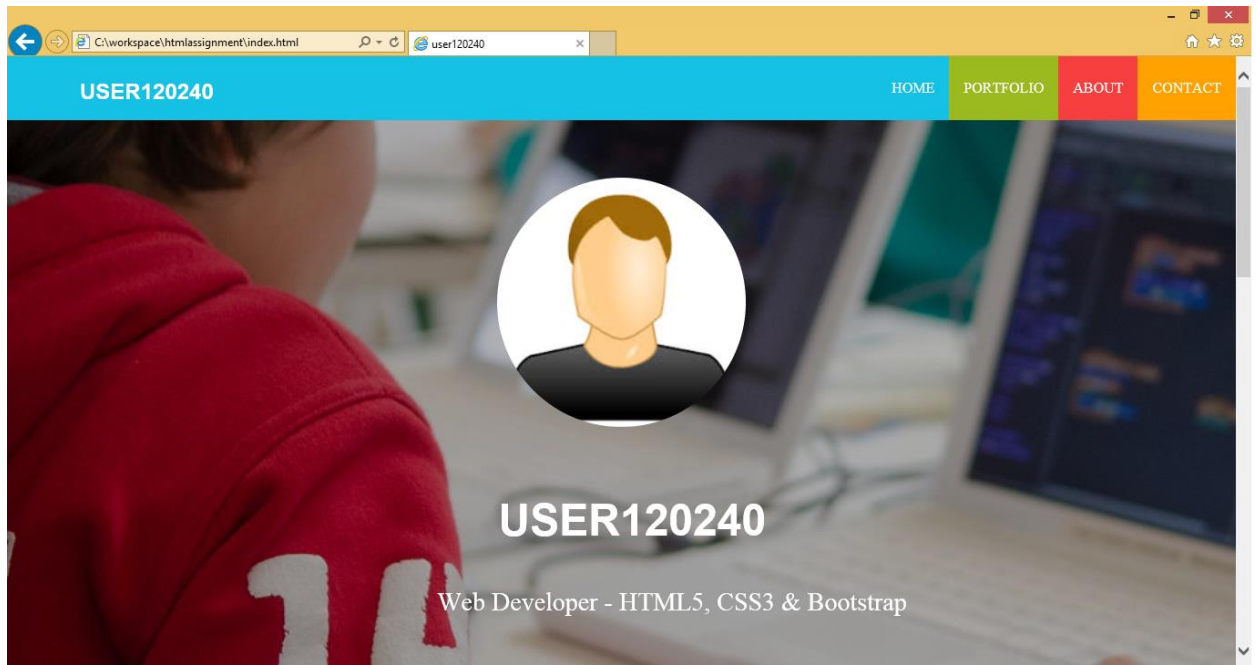
```
.skills {
  font-size: 1.75em;
  font-weight: 300;
  color: #fff;
  margin: 10px 0px 10px 0px;
  position: absolute;
  top: 85%;
  left: 35%;
}
```

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72. Save your files and now open your index.html in browser (if you have already opened in web browser, then right click on web page and select refresh/reload option) and verify your changes.

73. Your page should look like as shown below.



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