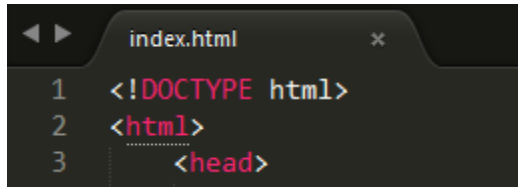# Day 3 Workshop Lab Manual
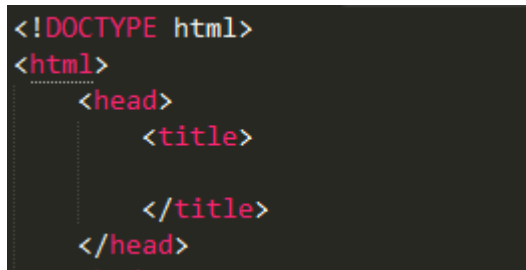
Description: This lab manual will guide to add HTML elements to the html document "index.html", which you have created in earlier exercise. You will be able to add html elements like <header>, <footer>, <section>, <div>, <ul>, <li>, and <a> etc.

1. Open your index.html file that you created in your last workshop session.
2. Since, we will be using HTML5 features, so add "**doctype**" declaration at first line in index.html as shown below.

```
index.html                    ×
1   <!DOCTYPE html>
2   <html>
3       <head>
```

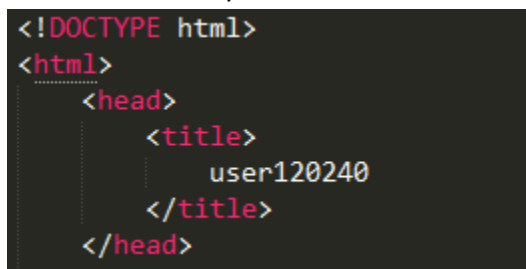3. Delete title "My First Webpage" from <title> tag as shown below.

```
<!DOCTYPE html>
<html>
    <head>
        <title>

        </title>
    </head>
```

4. **Write your name** inside <title> tag as shown below. For example, here "**user120240**" is written. You have to write your name instead.

```
<!DOCTYPE html>
<html>
    <head>
        <title>
            user120240
        </title>
    </head>
```

5. Save your file. Now open your index.html file in web browser and verify that your name is displayed as title of the document. To open the file, go to directory of **index.html** and double click on it. It will open using your default web browser.

Hello !!! Welcome to Web programming world

6. Go back to sublime and **delete welcome message** "Hello !!! Welcome to Web programming world" from <body> tag as shown below.

```
<!DOCTYPE html>
<html>
    <head>
        <title>
            user120240
        </title>
    </head>
    <body>
        |
    </body>
</html>
```

Note: Now we create a section for Navigation Menus in our web page

7. Now add <**header**> element inside <body> element as shown below. We are using <header> element to create navigation options (Menu) in our page.

```
<body>
    <header>

    </header>
</body>
```

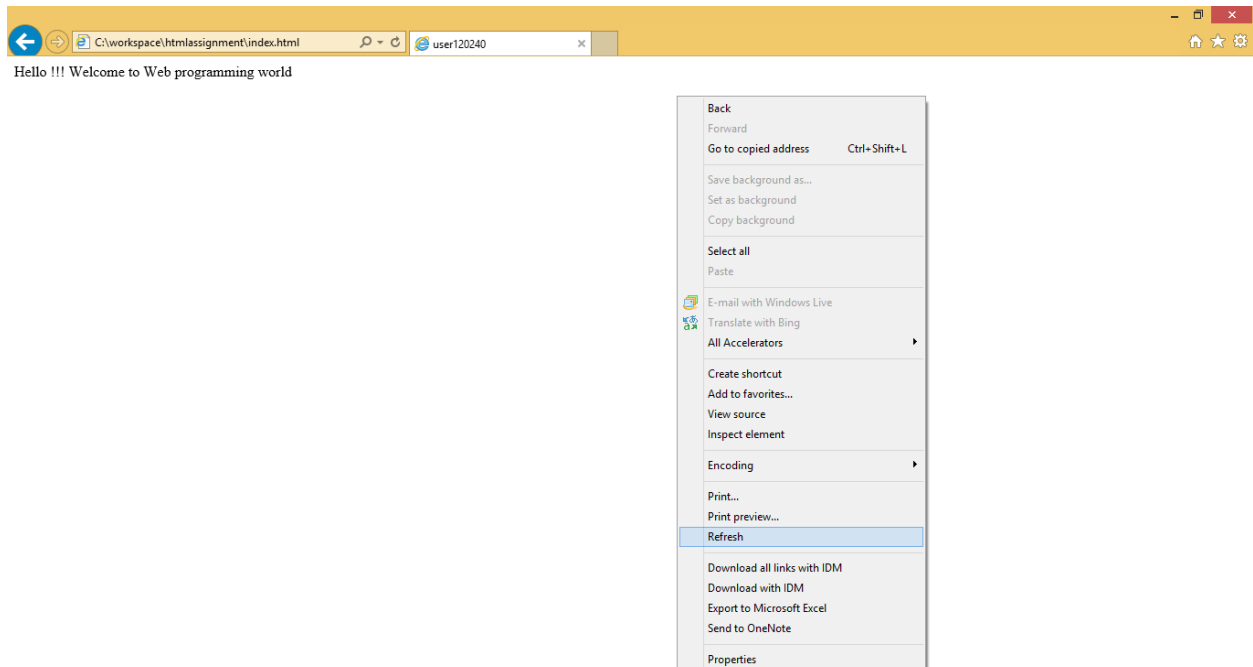**8.** Inside <header> element, add a <**div**> element and within <div>, write your name as shown below.

```
<body>
    <header>
        <div>
            user120240
        </div>
    </header>
</body>
```

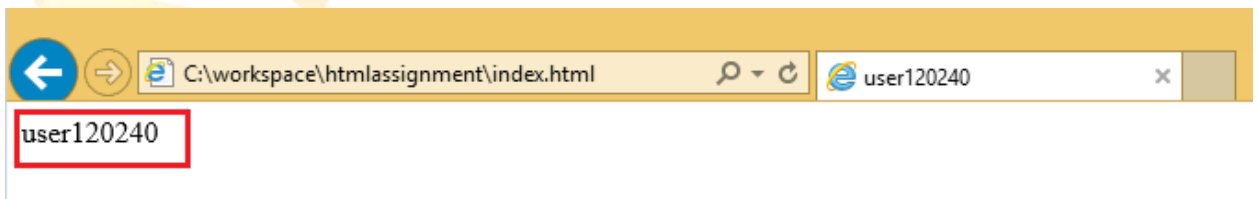**9.** Save your file. To verify your changes, open your index.html file in web browser and verify that

your name is displayed in the body of the document. (If you have already opened index.html in web browser, then refresh the page. To refresh, right click on web page and click on refresh/reload option.)

10. After opening/ refreshing the page, you should be able to see your name on web page as shown below.

11. Now add one more <**div**> inside <header> element as given below.

```
<body>
    <header>
        <div>
            user120240
        </div>
        <div>

        </div>
    </header>
```

12. Add <ul> tag inside the new <div> tag that you had added in step 10.

```
<header>
    <div>
        user120240
    </div>
    <div>
        <ul>

        </ul>
    </div>
</header>
```

13. Add <li> tag inside <ul> tag.

```
<header>
    <div>
        user120240
    </div>
    <div>
        <ul>
            <li> </li>
        </ul>
    </div>
</header>
```

14. Add <a> tag inside <li> tag as shown below.

```
<div>
    <ul>
        <li> <a> </a> </li>
    </ul>
</div>
```

15. Add "href" attribute to <a> tag and assign value "#profile" to the "href" attribute as shown below.

```
<div>
    <ul>
        <li> <a href="#profile"> </a> </li>
    </ul>
</div>
```

16. Write text "**Home**" within <a> , to be displayed on web page for the link "#profile".

```
<div>
    <ul>
        <li> <a href="#profile"> Home </a> </li>
    </ul>
</div>
```
.

17. Add <li> tag inside <ul> tag as shown below.

```
<div>
    <ul>
        <li> <a href="#profile"> Home </a> </li>
        <li> </li>
    </ul>
</div>
```

18. Add <a> tag inside <li> tag as shown below.

```
<div>
    <ul>
        <li> <a href="#profile"> Home </a> </li>
        <li> <a> </a> </li>
    </ul>
</div>
```

19. Add "href" attribute to <a> tag and assign value "#portfolio" as shown below.

```
<div>
    <ul>
        <li> <a href="#profile"> Home </a> </li>
        <li> <a href="#portfolio"> </a> </li>
    </ul>
</div>
```

20. Write text "**Portfolio**" within <a> , to be displayed on web page for the link "#portfolio".

```
<div>
    <ul>
        <li> <a href="#profile"> Home </a> </li>
        <li> <a href="#portfolio"> Portfolio </a> </li>
    </ul>
</div>
```

21. Add another <li> tag as shown below.

```
<ul>
    <li> <a href="#profile"> Home </a> </li>
    <li> <a href="#portfolio"> Portfolio </a> </li>
    <li> </li>
</ul>
```

22. Add <a> tag inside <li> tag as shown below.

```
<ul>
    <li> <a href="#profile"> Home </a> </li>
    <li> <a href="#portfolio"> Portfolio </a> </li>
    <li> <a> </a></li>
</ul>
```

23. Add "href" attribute to <a> tag and assign value "#about" to the "href" attribute as shown below.

```
<ul>
    <li> <a href="#profile"> Home </a> </li>
    <li> <a href="#portfolio"> Portfolio </a> </li>
    <li> <a href="#about"> </a></li>
</ul>
```

24. Write text "**About**" within <a> , to be displayed on web page for the link "#about".

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

25. Add another <li> tag inside <ul> tag as shown below.

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

26. Now, add <a> tag inside <li> tag as shown below.

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

27. Add "href" attribute to <a> tag and assign value "#contact" to the "href" attribute as shown below.

```
<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"> </a></li>
</ul>
```

28. Write text "**Contact**" within <a> , to be displayed on web page for the link "#contact".
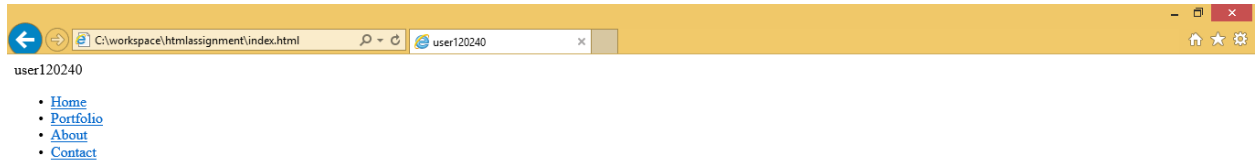
```
<ul>
    <li> <a href="#profile"> Home </a> </li>
    <li> <a href="#portfolio"> Portfolio </a> </li>
    <li> <a href="#about"> About </a></li>
    <li> <a href="#contact"> Contact </a></li>
</ul>
```

29. Save your file. To verify your changes, open your index.html file in web browser. (If you have already opened index.html in web browser, then refresh the page. To refresh, right click on web page and click on refresh/reload option.)

30. After opening/ refreshing the page, you should be able to see your changes on web page as shown below.

user120240

- Home
- Portfolio
- About
- Contact

Note: Now we create a Profile section in our web page

31. Now add <section> tag inside <body> after </header> element. We use <section> element to create a section for grouped content.

```
      </header>
      <section>

      </section>
   </body>
```

32. Within <section> tag, add two <div> tag as shown below.

```
<section>
    <div> </div>
    <div> </div>
</section>
```

33. Inside second <div>, add <h1> tag as shown below.

```
<section>
    <div> </div>
    <div>
        <h1> </h1>
    </div>
</section>
```

34. Within <h1> tag, write your name as shown below.

```
<section>
    <div> </div>
    <div>
        <h1> user120240 </h1>
    </div>
</section>
```

35. Within second <div> in <section>, after <h1> tag, add <span> tag. It is used to display text as non-block element.

```
<section>
    <div> </div>
    <div>
        <h1> user120240 </h1>
        <span> </span>
    </div>
</section>
```

36. Now write text "**Web Developer - HTML5, CSS3 & Bootstrap**" within the <span> tag as shown below.

```
<section>
    <div> </div>
    <div>
        <h1> user120240 </h1>
        <span> Web Developer - HTML5, CSS3 & Bootstrap </span>
    </div>
</section>
```
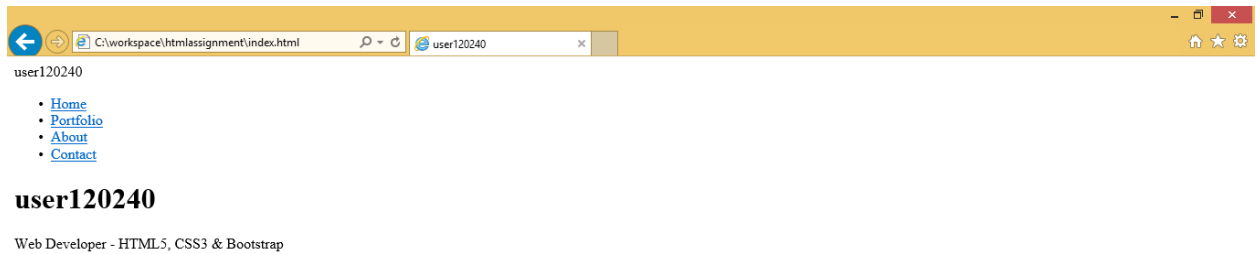
37. Save your file. To verify your changes, open your index.html file in web browser. (If you have already opened index.html in web browser, then refresh the page. To refresh, right click on web page and click on refresh/reload option.)

38. After opening/ refreshing the page, you should be able to see your changes on web page as shown below.

user120240

- Home
- Portfolio
- About
- Contact

user120240

Web Developer - HTML5, CSS3 & Bootstrap

Note: Now we create a Portfolio section in our web page

39. Add **<section>** tag after the closing of previous </section> tag in <body>.

```
    </section>
    <section>

    </section>
</body>
```

40. Add **<div>** tag inside <section> tag as shown below.

```
</section>
<section>
    <div> </div>
</section>
```

41. Write "**Portfolio**" within <div> tag as shown below.

```
<section>
    <div> Portfolio </div>
</section>
```

42. Add **\<hr>** tag after \<div> inside \<section> element as shown below.

```
<section>
    <div> Portfolio </div>
    <hr>
</section>
```

43. Add a **\<div>** tag after \<hr> tag as shown below.

```
<section>
    <div> Portfolio </div>
    <hr>
    <div>

    </div>
</section>
```

44. Within \<div>, add a **\<span>** tag as shown below.

```
<section>
    <div> Portfolio </div>
    <hr>
    <div>
        <span>

        </span>
    </div>
</section>
```

45. Add **\<div>** tag within the \<span> tag as shown below.

```
<div>
    <span>
        <div>

        </div>
    </span>
</div>
```

46. Add **\<h3>** tag within the \<div> tag as shown below.

```
<div>
    <span>
        <div>
            <h3> </h3>
        </div>
    </span>
</div>
```

47. Write "**HTML5**" within <h3> tag as shown below.

```
<span>
    <div>
        <h3> HTML5 </h3>
    </div>
</span>
```

48. Add <**h4**> tag after <h3> tag inside <div> as shown below.

```
<span>
    <div>
        <h3> HTML5 </h3>
        <h4> </h4>
    </div>
</span>
```

49. Type "**Develop Website using HTML5**" within <h4> tag as shown below.

```
<span>
    <div>
        <h3> HTML5 </h3>
        <h4> Develop Website using HTML5 </h4>
    </div>
</span>
```

50. Within <div>, add a <**span**> tag after the previous <span> tag closes, as shown below.

```
<div>
    <span>
        <div>
            <h3> HTML5 </h3>
            <h4> Develop Website using HTML5 </h4>
        </div>
    </span>
    <span>

    </span>
</div>
```

51. Add <**div**> tag within the <span> tag as shown below.

```
<span>
    <div>

    </div>
</span>
```

52. Add <**h3**> tag within the <div> tag as shown below.

```
<span>
    <div>
        <h3> </h3>
    </div>
</span>
```

53. Write "**CSS3**" within <h3> tag as shown below.

```
<span>
    <div>
        <h3> CSS3 </h3>
    </div>
</span>
```

54. Add <**h4**> tag after <h3> tag inside <div> as shown below.

```
<span>
    <div>
        <h3> CSS3 </h3>
        <h4> </h4>
    </div>
</span>
```

55. Write "**Design Website using CSS3**" within <h4> tag as shown below.

Disclaimer:
- This content is the property of Knight Learning Solutions Pvt Ltd.
- The information given here is to help the students in learning & building skills.
- It should not be distributed without the written permission.
- Do not commercialize the content without prior discussions with company.

```
<span>
    <div>
        <h3> CSS3 </h3>
        <h4> Design Website using CSS3 </h4>
    </div>
</span>
```

56. Within <div>, add a <**span**> tag just after the ending of previous <span> tag as shown below.

```
<span>
    <div>
        <h3> CSS3 </h3>
        <h4> Design Website using CSS3 </h4>
    </div>
</span>
<span>

</span>
```

57. Add <**div**> tag within the <span> tag as shown below.

```
<span>
    <div>

    </div>
</span>
```

58. Add <**h3**> tag within the <div> tag as shown below.

```
<span>
    <div>
        <h3> </h3>
    </div>
</span>
```

59. Write "**Bootstrap**" within <h3> tag as shown below.

```
<span>
    <div>
        <h3> Bootstrap </h3>
    </div>
</span>
```

60. Add <**h4**> tag after </h3> tag inside <div> as shown below.

```
<span>
    <div>
        <h3> Bootstrap </h3>
        <h4> </h4>
    </div>
</span>
```

61. Write "**Develop Responsive Website using Bootstrap**" within <**h4**> tag as shown below.

```
<span>
    <div>
        <h3> Bootstrap </h3>
        <h4> Develop Responsive Website using Bootstrap </h4>
    </div>
</span>
```

62. Within <div>, add a <**span**> tag after the closer of previous tag as shown below.

```
<span>
    <div>
        <h3> Bootstrap </h3>
        <h4> Develop Responsive Website using Bootstrap </h4>
    </div>
</span>
<span>

</span>
```

63. Add <**div**> tag within the <span> tag as shown below.

```
<span>
    <div>

    </div>
</span>
```

64. Add <**h3**> tag within the <div> tag as shown below.

```
<span>
    <div>
        <h3> </h3>
    </div>
</span>
```

65. Write "**IOT**" within <h3> tag as shown below.

```
<span>
    <div>
        <h3> IOT </h3>
    </div>
</span>
```

66. Add **<h4>** tag after <h3> tag inside <div> as shown below.

```
<span>
    <div>
        <h3> IOT </h3>
        <h4> </h4>
    </div>
</span>
```

67. Write "**Internet Of Things**" within <h4> tag as shown below.

```
<span>
    <div>
        <h3> IOT </h3>
        <h4> Internet Of Things </h4>
    </div>
</span>
```

68. Within <div>, add a **** tag after the previous tag is closed as shown below.

```
<span>
    <div>
        <h3> IOT </h3>
        <h4> Internet Of Things </h4>
    </div>
</span>
<span>

</span>
```

69. Add **<div>** tag within the <span> tag as shown below.

```
<span>
    <div>

    </div>
</span>
```

70. Add **<h3>** tag within the <div> tag as shown below.

```
<span>
    <div>
        <h3> </h3>
    </div>
</span>
```

71. Write "**Git & GitHub**" within <h3> tag as shown below.

```
<span>
    <div>
        <h3> Git & GitHub </h3>
    </div>
</span>
```

72. Add <**h4**> tag after <h3> tag inside <div> as shown below.

```
<span>
    <div>
        <h3> Git & GitHub </h3>
        <h4> </h4>
    </div>
</span>
```

73. Write "**Source Version Control System**" within <h4> tag as shown below.

```
<span>
    <div>
        <h3> Git & GitHub </h3>
        <h4> Source Version Control System </h4>
    </div>
</span>
```

74. Within <div>, add a tag after the previous tag as shown below.

```
<span>
    <div>
        <h3> Git & GitHub </h3>
        <h4> Source Version Control System </h4>
    </div>
</span>
<span>

</span>
```

75. Add <**div**> tag within the <span> tag as shown below.

```
<span>
    <div>

    </div>
</span>
```

76. Add **<h3>** tag within the <div> tag as shown below.

```
<span>
    <div>
        <h3> </h3>
    </div>
</span>
```

77. Write "**Student of**" within <h3> tag as shown below.

```
<span>
    <div>
        <h3> Student of </h3>
    </div>
</span>
```

78. Add **<h4>** tag after <h3> tag inside <div> as shown below.

```
<span>
    <div>
        <h3> Student of </h3>
        <h4> </h4>
    </div>
</span>
```

79. Write "**Class (your class name) at (your school name)**" within the <h4> tag as shown below. For example, here, "**6**" is used as class name and "**Smartpathshala**" is used as school name. You have to mention your class name and school name instead of given info.

```
<span>
    <div>
        <h3> Student of </h3>
        <h4> Class 6 at Smartpathshala</h4>
    </div>
</span>
```

80. Within <div>, add a tag after the tag as shown below.

```
<span>
    <div>
        <h3> Student of </h3>
        <h4> Class 6 at Smartpathshala</h4>
    </div>
</span>
<span>

</span>
```

81. Add **<div>** tag within the new <span> tag as shown below.

```
<span>
    <div>

    </div>
</span>
```

82. Add **<h3>** tag within the <div> tag as shown below.

```
<span>
    <div>
        <h3> </h3>
    </div>
</span>
```

83. Write "**Hobbies**" within <h3> tag as shown below.

```
<span>
    <div>
        <h3> Hobbies </h3>
    </div>
</span>
```

84. Add **<h4>** tag after <h3> tag inside <div> as shown below.

```
<span>
    <div>
        <h3> Hobbies </h3>
        <h4> </h4>
    </div>
</span>
```

85. Write "**Hobbies** (mention your hobbies using comma to separate them)" within **<h4>** tag as shown below. For example, here, "**Reading, Music**" are used as hobbies. You have to enter your own hobbies.
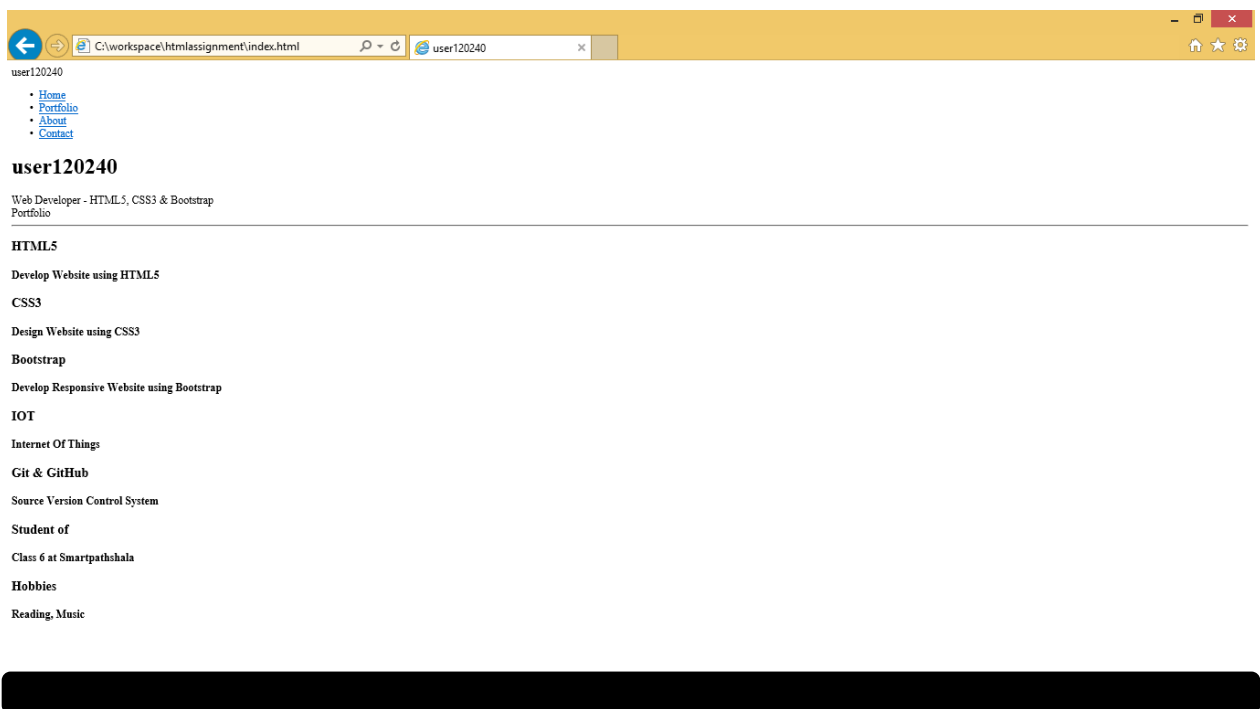
Disclaimer:
- This content is the property of Knight Learning Solutions Pvt Ltd.
- The information given here is to help the students in learning & building skills.
- It should not be distributed without the written permission.
- Do not commercialize the content without prior discussions with company.

```
<span>
    <div>
        <h3> Hobbies </h3>
        <h4> Reading, Music </h4>
    </div>
</span>
```

86. Save your file. To verify your changes, open your index.html file in web browser. (If you have already opened index.html in web browser, then refresh the page. To refresh, right click on web page and click on refresh/reload option.)

87. After opening/ refreshing the page, you should be able to see your changes on web page as shown below.