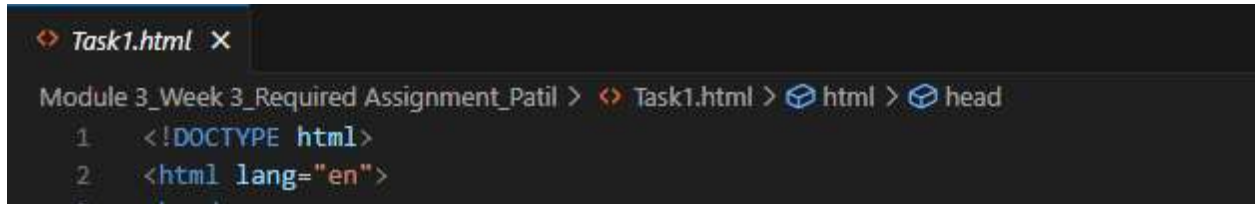


Task 1. Basic HTML Structure

Please find the 'Task1.html' file in the uploaded zip file, which demonstrates the implementation below.

- a) Start with the `<!DOCTYPE html>` declaration for HTML5.

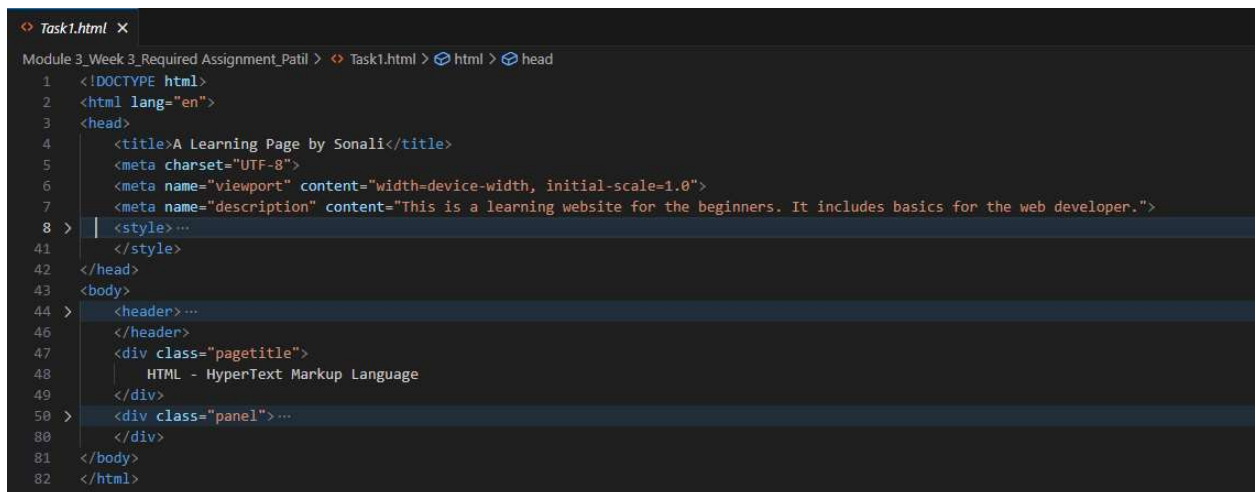
The DOCTYPE Html is declared, and the language is set to 'English'.



```
Task1.html X
Module 3_Week 3_Required Assignment_Patil > Task1.html > html > head
1 <!DOCTYPE html>
2 <html lang="en">
```

- b) Use the `<html>`, `<head>`, and `<body>` tags to structure the document.

All the tags are defined as per the screenshot below.



```
Task1.html X
Module 3_Week 3_Required Assignment_Patil > Task1.html > html > head
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <title>A Learning Page by Sonali</title>
5   <meta charset="UTF-8">
6   <meta name="viewport" content="width=device-width, initial-scale=1.0">
7   <meta name="description" content="This is a learning website for the beginners. It includes basics for the web developer.">
8   <style>...
41 </style>
42 </head>
43 <body>
44   <header>...
46 </header>
47   <div class="pagetitle">
48     HTML - HyperText Markup Language
49   </div>
50   <div class="panel">...
80 </div>
81 </body>
82 </html>
```

- c) In the `<head>` section:

- 1) Title tag is used to set the appropriate title.
- 2) 3 meta tags are used to set the charset, viewport and description.
- 3) Style tag is used to define the styling used by the page content.

```

3 <head>
4 <title>A Learning Page by Sonali</title>
5 <meta charset="UTF-8">
6 <meta name="viewport" content="width=device-width, initial-scale=1.0">
7 <meta name="description" content="This is a learning website for the beginners. It includes basics for the web developer.">
8 <style>
9     body{
10         background-color: #c0b9b9;
11         color: #000000;
12         font-family: Verdana, Arial, sans-serif;
13     }
14
15     .pagetitle{
16         background-color: #3c0064;
17         color: #fff;
18         text-align: center;
19         padding: 20px;
20         font-size: 25px;
21         font-weight: bold;
22     }
23
24     .panel {
25         padding: 0.5em;
26         border: 3px solid #3c0064;
27         display: flex;
28         align-items: center;
29     }
30
31     .leftpanel {
32         width: 100px;
33         height: 100px;
34         border-radius: 5px;
35         background-color: #663398;
36         padding: 1em;
37         color: white;
38         margin-right: 10px;
39     }
40
41 </style>
42 </head>

```

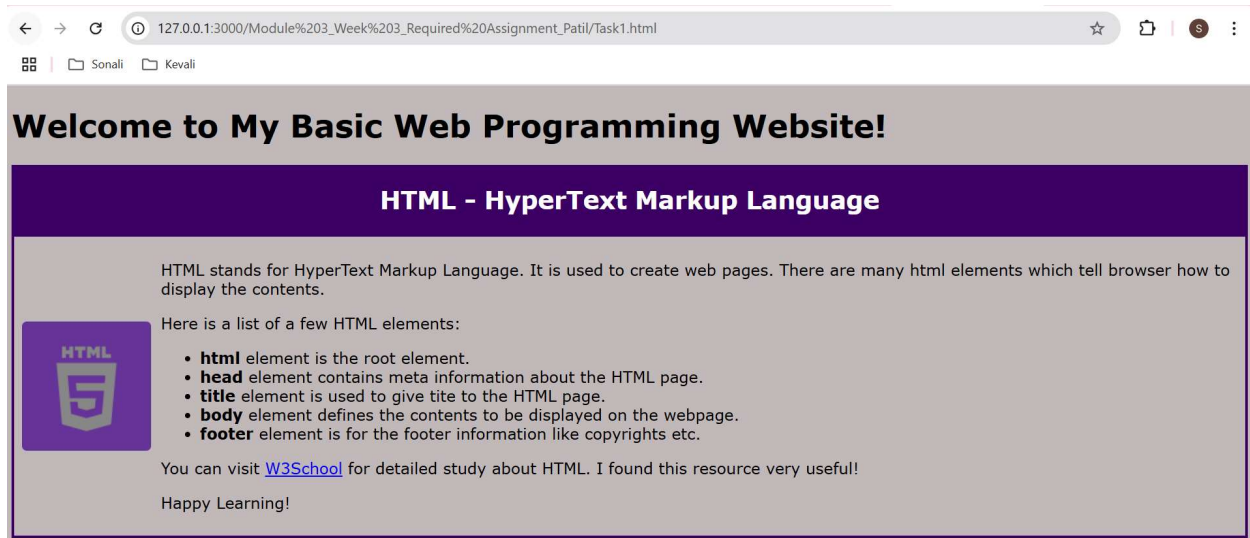
- d) In the <body> section, include a few elements that demonstrate HTML tags like paragraphs, images, links, and lists.

HTML tags like <p>, , <a>, , are used as shown in the screenshot below.

```

43 <body>
44 <header>...
45 </header>
46 <div class="pagetitle">
47     HTML - HyperText Markup Language
48 </div>
49 <div class="panel">
50
51     <div class="leftpanel">
52         
53     </div>
54     <div>
55         <p>
56             HTML stands for HyperText Markup Language. It is used to create web pages. There are many html elements which tell browser how to display the contents.
57         </p>
58         <p>Here is a list of a few HTML elements:</p>
59         <ul>
60             <li>
61                 <b>html</b> element is the root element.
62             </li>
63             <li>
64                 <b>head</b> element contains meta information about the HTML page.
65             </li>
66             <li>
67                 <b>title</b> element is used to give title to the HTML page.
68             </li>
69             <li>
70                 <b>body</b> element defines the contents to be displayed on the webpage.
71             </li>
72             <li>
73                 <b>footer</b> element is for the footer information like copyrights etc.
74             </li>
75         </ul>
76         <p>You can visit <a href="https://www.w3schools.com/html/" target="_blank">W3School</a> for detailed study about HTML. I found this resource very useful! </p>
77         <p>Happy Learning!</p>
78     </div>
79 </div>
80 </body>

```



Task 2. Usage of HTML Tags and Attributes

Please find the 'Task2.html' file in the uploaded zip file, which demonstrates the implementation below.

- Variety of tags are used, such as `<p>`, `<a>`, ``, and `/`.
- Added attributes to the tags where appropriate, such as:
 - `href` for `<a>`,
 - `src` and `alt` for ``,
 - `target` for opening links in a new tab.
- Attributes are formatted using quotation marks for values.
- Different styles are used to make the page responsive.

```

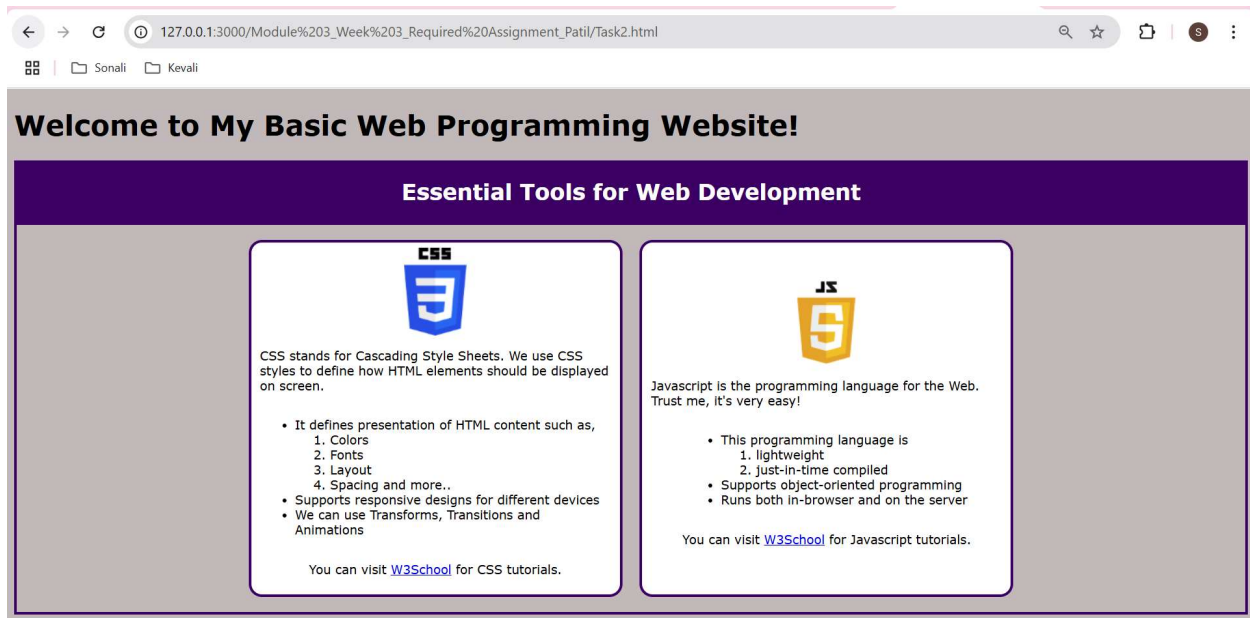
54 <body>
55 <div class="pagetitle">
56 </div>
57 <div class="flexbox">
58 <div class="box">
59 
60 <p>CSS stands for Cascading Style Sheets. We use CSS styles to define how HTML elements should be displayed on screen.</p>
61 <ul>
62 <li>
63 It defines presentation of HTML content such as,
64 <ol>
65 <li>Colors</li>
66 <li>Fonts</li>
67 <li>Layout</li>
68 <li>Spacing and more..</li>
69 </ol>
70 </li>
71 <li>Supports responsive designs for different devices</li>
72 <li>We can use Transforms, Transitions and Animations</li>
73 </ul>
74 <p>You can visit <a href="https://www.w3schools.com/css/default.asp" target="_blank">W3School</a> for CSS tutorials. </p>
75 </div>
76 <div class="box">
77 
78 <p>Javascript is the programming language for the Web. Trust me, it's very easy!</p>
79 <ul>
80 <li>
81 This programming language is
82 <ol>
83 <li>lightweight</li>
84 <li>just-in-time compiled</li>
85 </ol>
86 </li>
87 <li>Supports object-oriented programming</li>
88 <li>Runs both in-browser and on the server</li>
89 </ul>
90 <p>You can visit <a href="https://www.w3schools.com/js/default.asp" target="_blank">W3School</a> for Javascript tutorials. </p>
91 </div>
92 </body>

```

```

3 <head>
4 <style>
5
15 .pagetitle{
16 background-color: #3c0064;
17 color: #fff;
18 text-align: center;
19 padding: 20px;
20 font-size: 25px;
21 font-weight: bold;
22 }
23
24 .flexbox{
25 min-height: 430px;
26 display: flex;
27 border: 3px solid #3c0064;
28 justify-content: center;
29 align-items: center;
30 align-content: center;
31 flex-direction: row;
32 gap: 20px;
33 flex-wrap: wrap;
34 padding: 5px 0px;
35 }
36
37 .box{
38 height: 380px;
39 width: 400px;
40 padding: 10px;
41 background-color: #fff;
42 font-size: 14px;
43 border: 3px solid #3c0064;
44 border-radius: 15px;
45 display: flex;
46 flex-direction: column;
47 align-items: center;
48 justify-content: center;
49 flex-grow: 0;
50 }
51
52 </style>
53 </head>

```



Task 3. Incorporate JavaScript

Please find the 'Task3.html' file in the uploaded zip file, which demonstrates the implementation below.

- a) A `<script>` tag is added in the `<body>` section, with a JavaScript function that displays an alert when the page loads and also logs a message to the console. The script also displays alert message on button click event

```

50 <body>
51   <form id="frmFeedback">
52     <label for="txtFeedback">Feedback:</label>
53     <br/> <br/>
54     <textarea id="txtFeedback" name="txtFeedback" maxlength="300px" required
55       rows="5" cols="60" placeholder="Please type your feedback here"></textarea>
56     <br/> <br/>
57     <input type="submit" value="Submit" id="btnSubmit">
58   </form>
59
60   <script>
61     window.addEventListener('load', () => {
62       console.log('Your feedback is precious. Please provide it for my improvement.');
```

```

63       alert('Your feedback is precious. Please provide it for my improvement.');
```

```

64     });
```

```

65     const btn = document.getElementById('btnSubmit');
```

```

66     const feedback = document.getElementById('txtFeedback');
```

```

67     if(btn != undefined && feedback != undefined)
```

```

68     {
```

```

69       btn.addEventListener('click',function(event){
```

```

70         let feedbackval=feedback.value;
```

```

71         if(feedbackval.trim() == ''){
```

```

72           alert('Please provide the feedback!');
```

```

73         }
```

```

74         else{
```

```

75           alert("Your feedback is, " + feedbackval);
```

```

76         }
```

```

77         event.preventDefault();
```

```

78       });
```

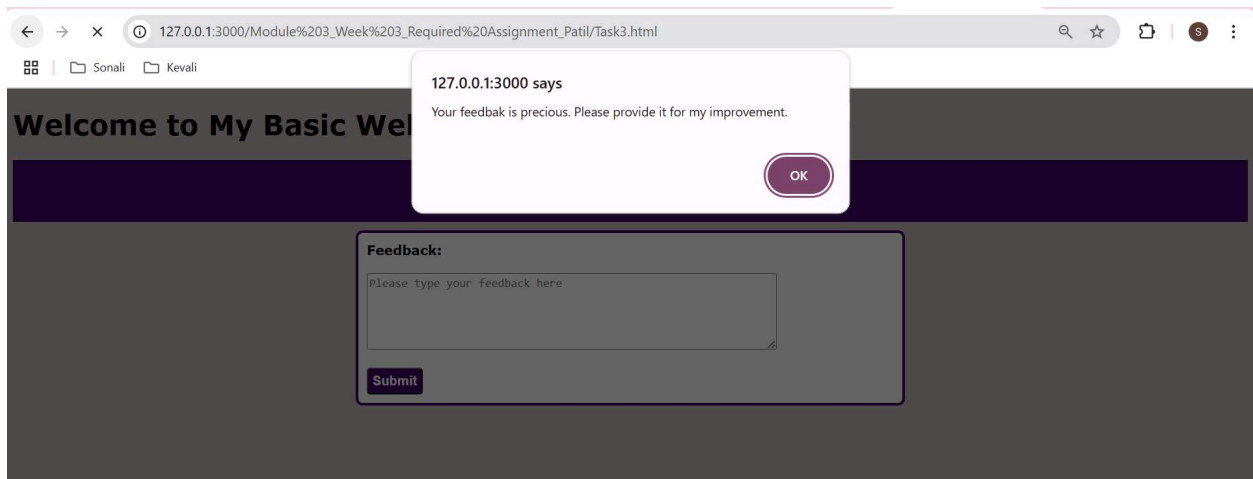
```

79     }
```

```

80   </script>
81 </body>

```



Welcome to My Basic Web

127.0.0.1:3000 says
Your feedback is, Need some more improvements

OK

Feedback:

Need some more improvements

Submit