

1.	Create a web page using only HTML& CSS (external) with your personal profile on it.
Ans	<pre> ----- index.html ----- <!DOCTYPE html> <html> <head> <title>Personal website</title> <link rel="stylesheet" href="./style.css" /> </head> <body> <nav> <header> <h2>Utsav Dhimmar</h2> Contact Details Education </header> </nav> <main> <div> </div> <div class="info"> <p> Hey, I am Utsav Dhimmar, student of S.Y.B.C.A at S.S. Agrawal college </p> </div> </main> <div class="details" id="Details"> <h3>Personal Details</h3> <p>Name: Utsav Dhimmar</p> <p>Hobby: Sports , Reading</p> <p>Nationality : Indian</p> <div id="Contact"> <h3>Contact</h3> <p>Email: utsavdhimmar987@gmail.com</p> <p>Phone: +91 3655595932</p> </div> <div id="edu"> <h3>Educational Details</h3> <table> <tr> <th>Exam</th> <th>Board/University</th> <th>Percentage/CGPA</th> <th>Year</th> </tr> </pre>

```

<tr>
  <td>10th</td>
  <td>GSEB Board</td>
  <td>75.5%</td>
  <td>2021 - May</td>
</tr>
<tr>
  <td>12th</td>
  <td>GSHEB Board</td>
  <td>85.3%</td>
  <td>2023 - March</td>
</tr>
<tr>
  <td>BCA Sem - 1</td>
  <td>VNSGU</td>
  <td>8.09</td>
  <td>2023 - December</td>
</tr>
<tr>
  <td>BCA Sem - 2</td>
  <td>VNSGU</td>
  <td>8.55</td>
  <td>2024 - March / April</td>
</tr>
</table>
</div>
</div>
</body>
</html>

```

```

----- style.css -----
* {
  margin: 0;
  padding: 0;
  box-sizing: border-box;
}

html,
body {
  height: 100vh;
  width: 100%;
  scroll-behavior: smooth;
}

a {
  text-decoration: none;
  color: black;
}

```

```
header {  
  display: flex;  
  justify-content: space-between;  
  align-items: center;  
  height: 70px;  
  background: lightgray;  
  padding: 20px 40px;  
}  
  
ul {  
  list-style: none;  
  display: flex;  
  gap: 20px;  
}  
  
ul li {  
  padding: 10px;  
}  
  
ul li:hover {  
  color: gray;  
  background: white;  
  cursor: pointer;  
}  
  
main {  
  display: flex;  
  align-items: center;  
  justify-content: center;  
  flex-direction: column;  
  height: calc(100vh - 70px);  
}  
  
main img {  
  border-radius: 50%;  
  height: 70vh;  
}  
  
.info p {  
  font-size: 30px;  
  margin-top: 5px;  
}  
  
#Details,  
#Contact {  
  height: 100vh;  
  padding: 30px;  
  display: flex;  
  flex-direction: column;  
  justify-content: center;  
  align-items: center;  
}
```

```
#Details h3 {
  font-size: 30px;
}

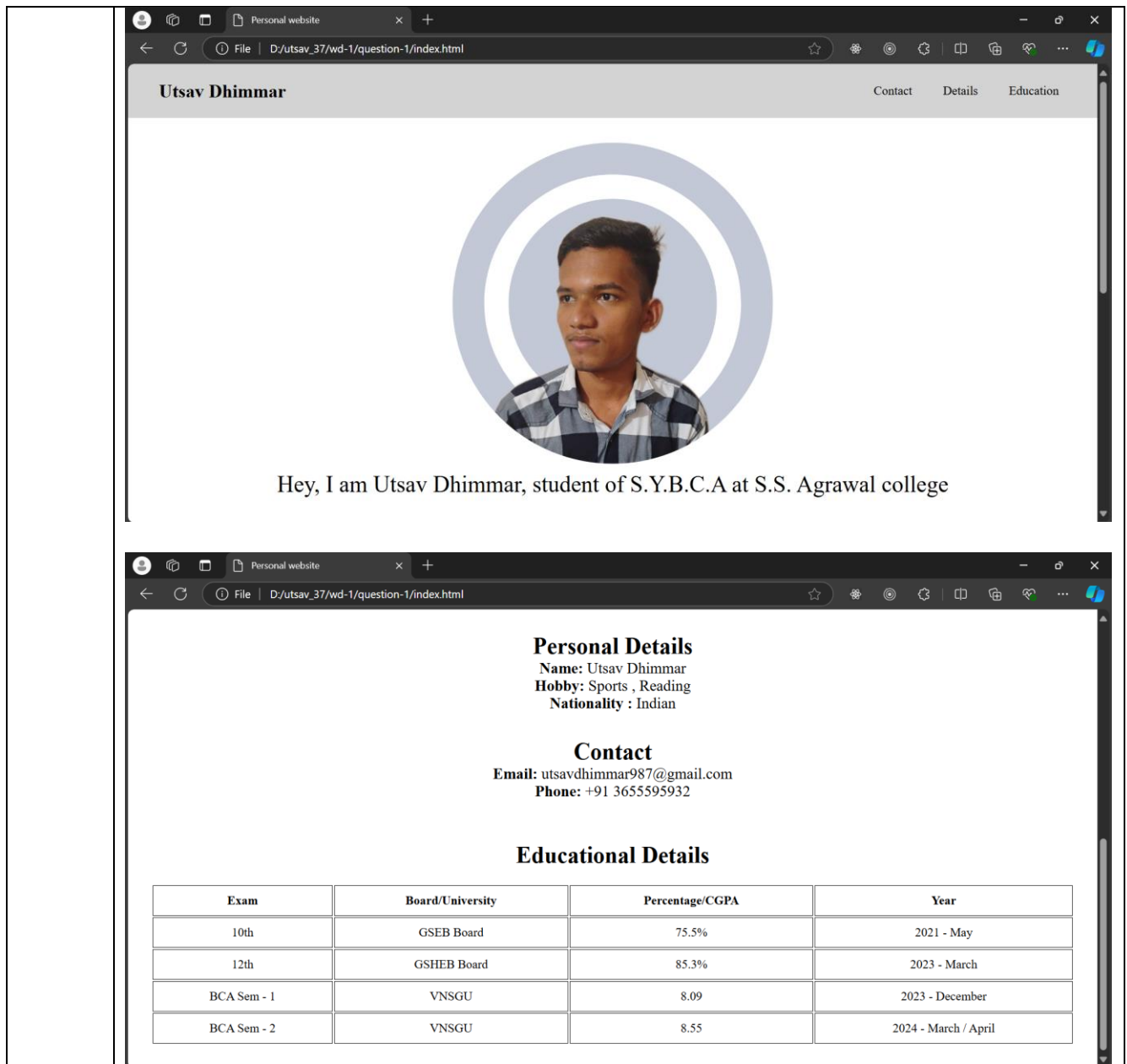
#Details p {
  font-size: 20px;
}

table {
  width: 100%;
  margin-top: 20px;
}

table th,
table td {
  padding: 10px;
  border: 1px solid black;
  text-align: center;
}

#edu {
  width: 100%;
  margin-top: 20px;
}

#edu h3 {
  text-align: center;
}
```



2.	Create a Email News letter using HTML and CSS.
Ans	<pre> ----- index.html ----- <!DOCTYPE html> <html> <head> <title>NewsLetter</title> <link rel="stylesheet" href="./style.css" /> </head> <body> <main> <h1>News letter</h1> <form method="post" action="./done.html"> <input type="email" name="email" placeholder="enter your email address" /> <button type="submit">Subscribe now</button> </form> </main> </body> </html> ----- style.css ----- * { margin: 0; padding: 0; box-sizing: border-box; font-family: cursive; } html, body { height: 100vh; width: 100%; } main { height: 50vh; } main h1 { text-align: center; font-size: 50px; } form { display: flex; align-items: center; justify-content: center; flex-direction: column; } </pre>

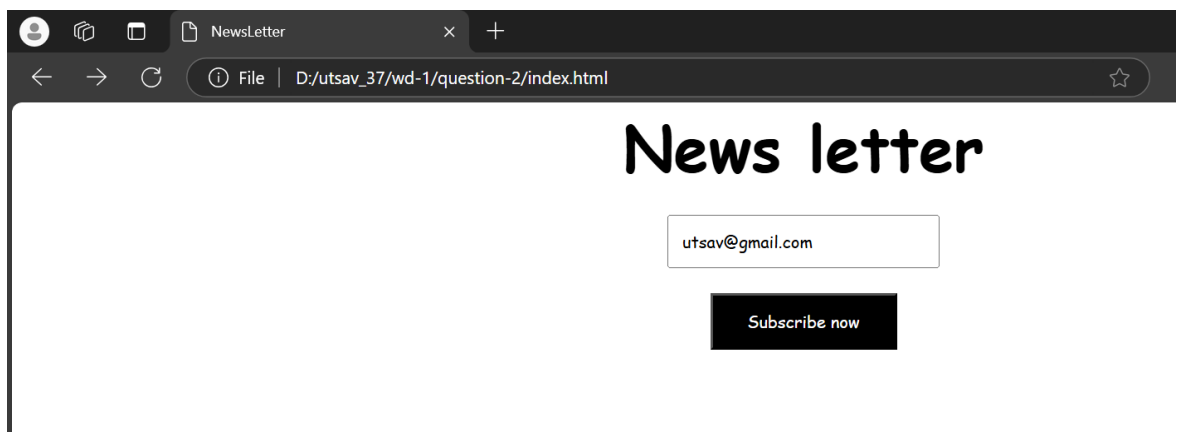
```
form input {  
  margin: 20px auto;  
  padding: 10px;  
}
```

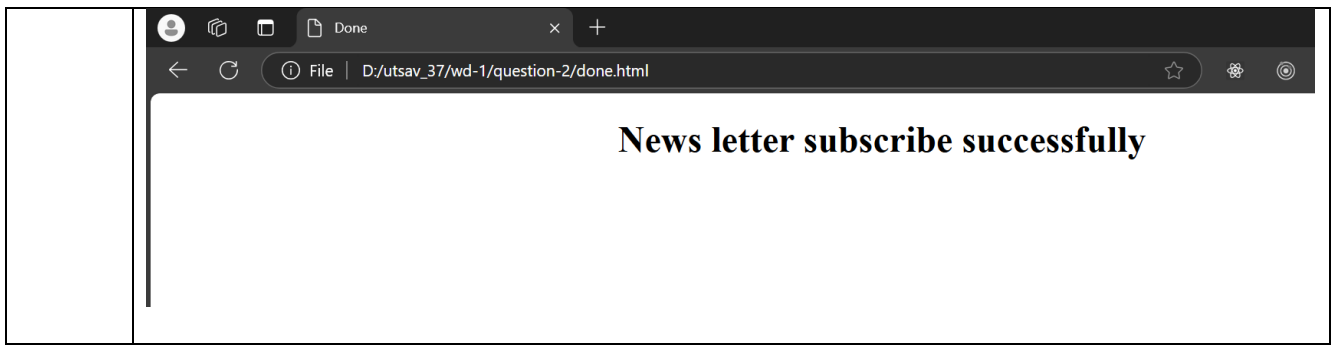
```
form button {  
  height: 45px;  
  width: 150px;  
}
```

```
form button:hover {  
  background: black;  
  color: #fff;  
  cursor: pointer;  
}
```

----- done.html -----

```
<!DOCTYPE html>  
<html>  
  <head>  
    <title>Done</title>  
    <style>  
      h1 {  
        text-align: center;  
      }  
    </style>  
  </head>  
  <body>  
    <main>  
      <h1>News letter subscribe successfully</h1>  
    </main>  
  </body>  
</html>
```





3.	Apply a placeholder for text.
Ans	<pre> <!DOCTYPE html> <html lang="en"> <head> <title>Text Field Placeholder</title> <style> ::placeholder { font-weight: 700; font-family: "Gill Sans", "Gill Sans MT", Calibri, "Trebuchet MS", sans-serif; } input { padding: 10px; } input:focus { border: none; background-color: aliceblue; } </style> </head> <body> <form> <label> Username :- <input type="text" placeholder="Enter Your username" required title="username felid" /> </label> <input type="button" value="submit" class="btn" /> </form> </body> </html> </pre>

The image displays two sequential browser window screenshots. Both windows have a dark theme and a single tab titled 'Text Field Placeholder'. The address bar shows the file path 'D:/utsav_37/wd-1/question-3/index.html'. The first screenshot shows a form with the label 'Username :-' followed by a text input field containing the placeholder text 'Enter Your username' and a 'submit' button. The second screenshot shows the same form, but the text input field now contains the username 'utsavdhimmar'.

4.	Create a browser window using HTML and CSS.
Ans	<pre> ----- index.html ----- <!DOCTYPE html> <html lang="en"> <head> <title>Browser window only using HTML , CSS</title> <link rel="stylesheet" href="styles.css" /> </head> <body> <main> <div class="browser-window"> <div class="browser-header"> <div class="searchBar"> <input type="text" placeholder="Enter The Keywords" required /> </div> <div class="buttons"> </div> </div> <div class="browser-content"> <h1> Welcome the only <mark>HTML</mark> , <mark>CSS</mark> based browser UI </h1> <h2 class="author">Created By Utsav Dhimmar</h2> </div> </div> </main> </body> </html> ----- style.css ----- * { box-sizing: border-box; margin: 0; padding: 0; } html, body { height: 100%; width: 100%; } </pre>

```
body {
  display: flex;
  align-items: center;
  justify-content: center;
  background-color: #e9e5e5;
}

.browser-window {
  width: 100%;
  border-radius: 10px;
  background-color: white;
  height: 50vh;
  box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);
}

.browser-header {
  width: 100%;
  background-color: red;
  display: flex;
  align-items: center;
  justify-content: space-between;
  padding: 15px;
  border-top-left-radius: 10px;
  border-top-right-radius: 10px;
}

.searchBar {
  width: 50%;
}

.searchBar input {
  margin-right: 40px;
  padding: 5px;
  width: 100%;
}

input:focus {
  outline: none;
}

.buttons {
  display: flex;
  gap: 4px;
}

span {
  display: block;
  height: 20px;
  width: 20px;
  border-radius: 50%;
}

.close {
  background-color: #fff;
}

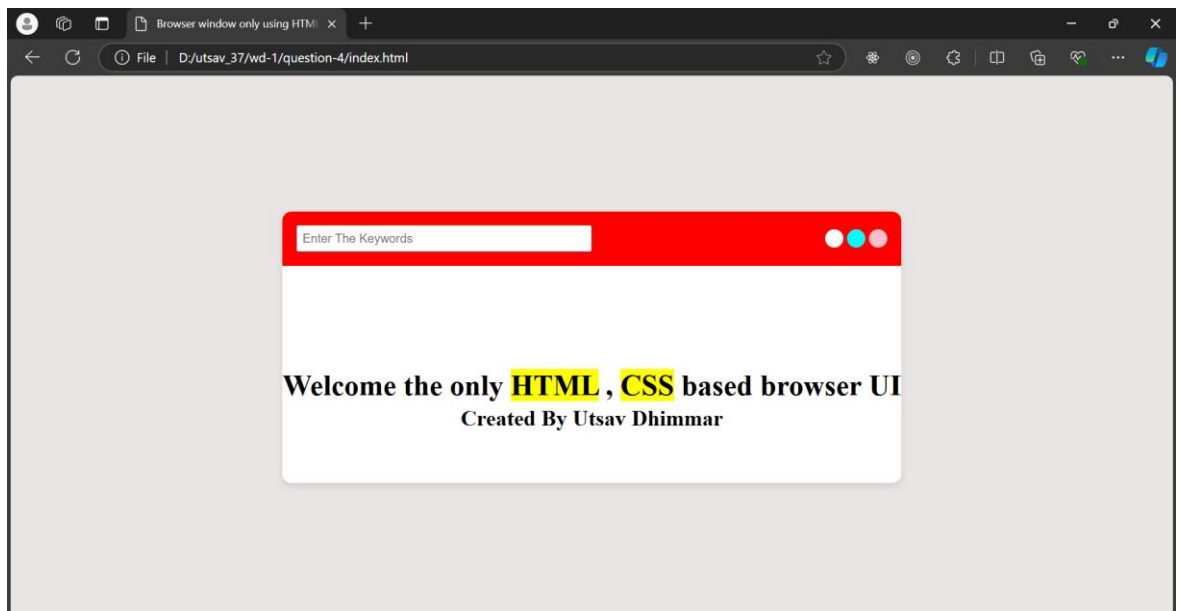
.minimizes {
  background-color: aqua;
}
```

```
.maximize {  
  background-color: pink;  
}
```

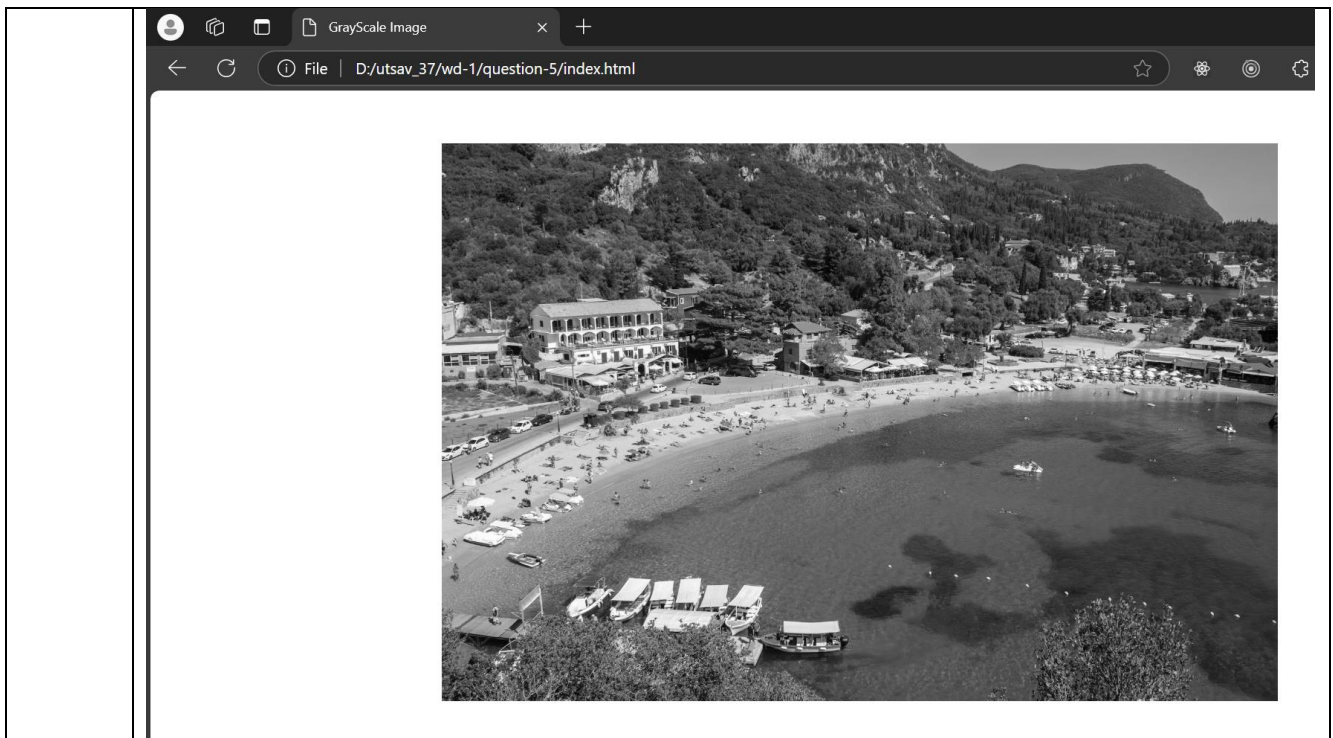
```
.browser-content {  
  height: 100%;  
  display: flex;  
  align-items: center;  
  flex-direction: column;  
  justify-content: center;  
}
```

```
h1 {  
  padding: auto 4px;  
}
```

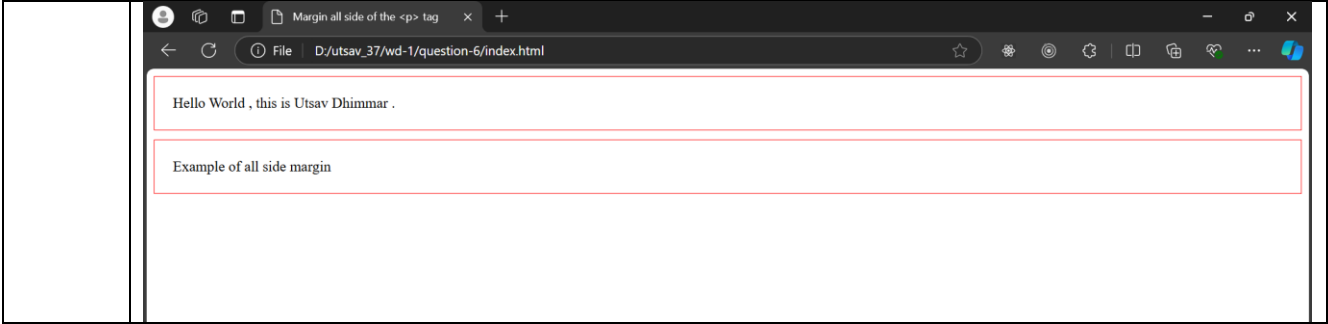
```
.author {  
  margin: 4px;  
}
```



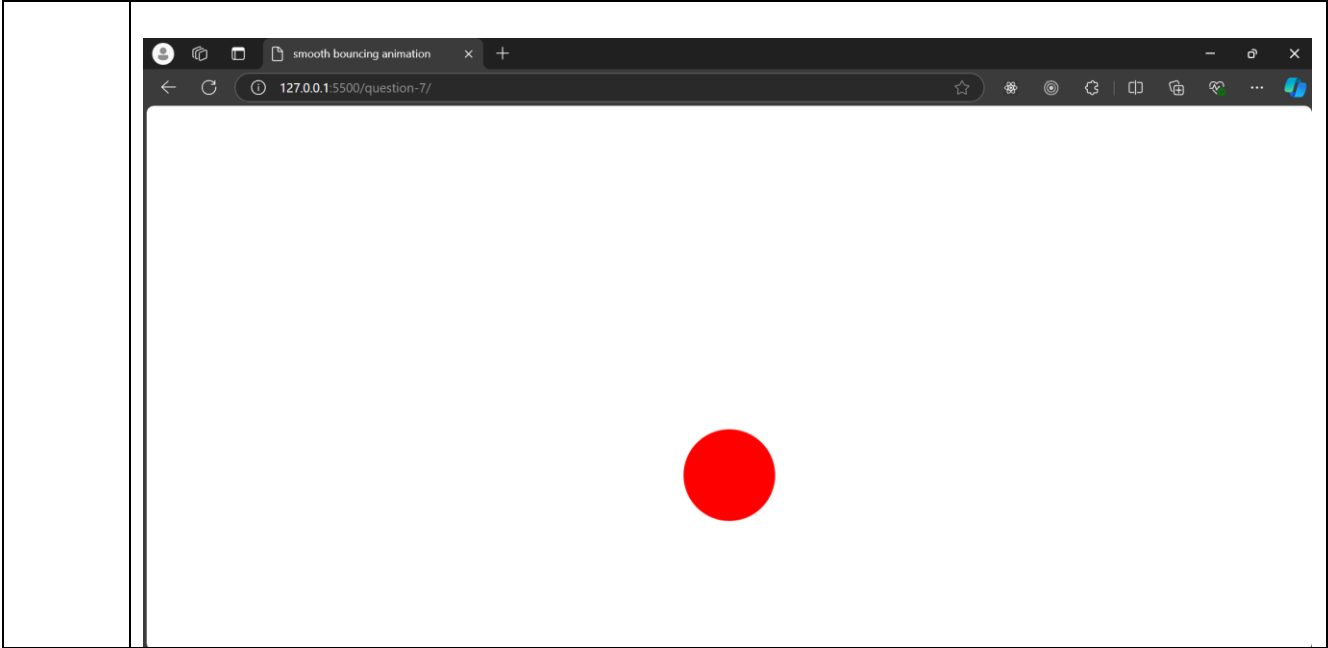
5.	Convert an image into grayscale using HTML and CSS.
Ans	<pre> <!DOCTYPE html> <html lang="en"> <head> <meta charset="UTF-8" /> <meta name="viewport" content="width=device-width, initial-scale=1.0" /> <title>GrayScale Image</title> <style> * { box-sizing: border-box; margin: 0; padding: 0; } html, body { height: 100%; width: 100%; display: flex; align-items: center; justify-content: center; } img { height: 500px; width: auto; background-position: center; background-size: contain; overflow: hidden; cursor: pointer; filter: grayscale(1); } </style> </head> <body> </body> </html> </pre>



6.	Set all Margins of paragraph elements using CSS.
Ans	<pre> <!DOCTYPE html> <html lang="en"> <head> <title>Margin all side of the <p> tag</title> <style> div { border: 1px solid red; margin-bottom: 10px; } p { margin: 20px; } </style> </head> <body> <div> <p>Hello World , this is Utsav Dhimmar .</p> </div> <div> <p>Example of all side margin</p> </div> </body> </html> </pre>

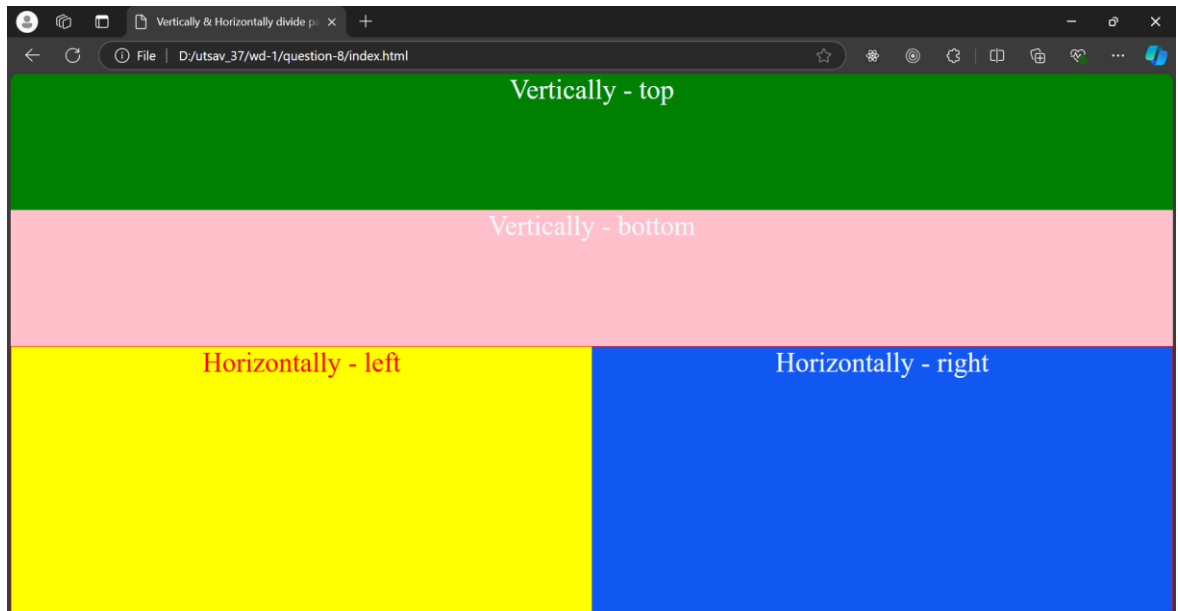


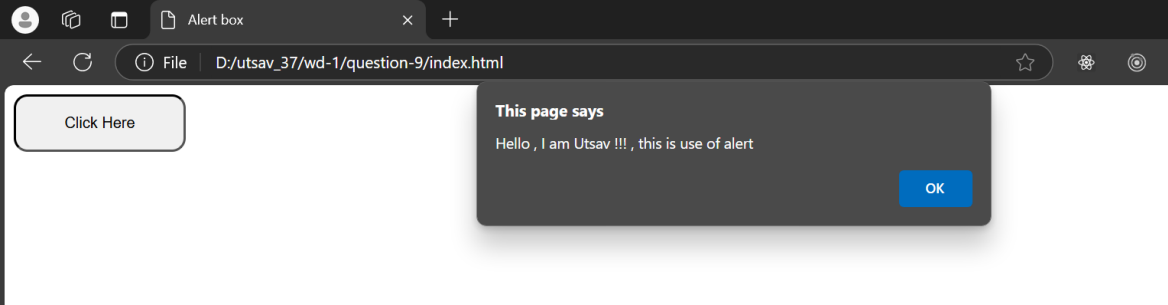
7.	Make a smooth bouncing animation using CSS.
Ans	<pre> <!DOCTYPE html> <html lang="en"> <head> <title>smooth bouncing animation</title> <style> * { margin: 0; padding: 0; box-sizing: border-box; } body, html { height: 100%; width: 100%; display: flex; align-items: center; justify-content: center; } .ball { background-color: red; height: 100px; width: 100px; border-radius: 50%; position: relative; animation: bouncing 0.5s ease-in-out infinite; } @keyframes bouncing { 0%, 100% { transform: translateY(0); } 25% { transform: translateY(100px); } 50% { transform: translateY(200px); } 75% { transform: translateY(100px); } } </style> </head> <body> <div class="ball"></div> </body> </html> </pre>



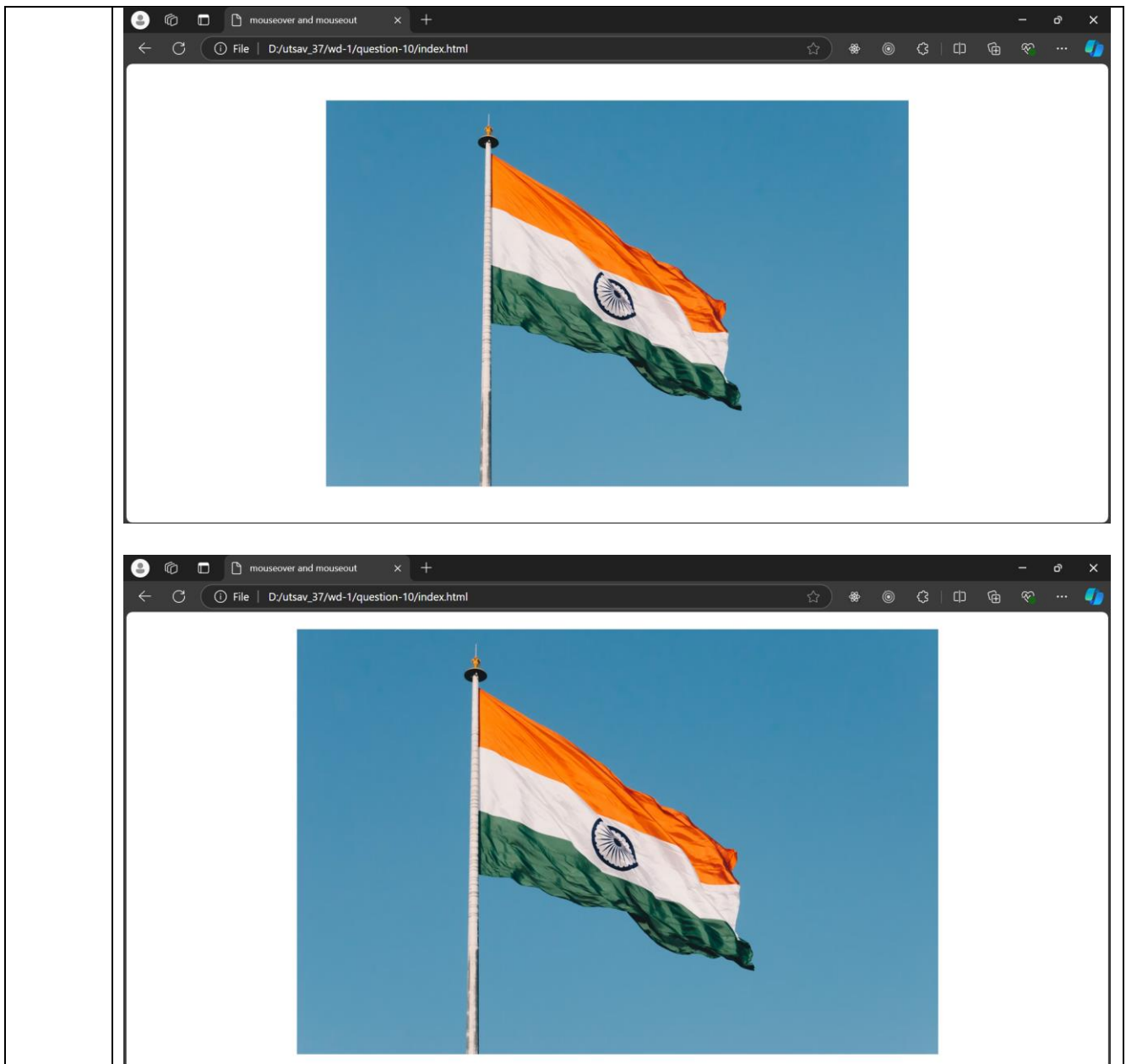
8.	Divide HTML page into two parts vertically & Horizontally.
Ans	<pre> <!DOCTYPE html> <html lang="en"> <head> <title>Vertically & Horizontally divide page</title> <style> * { margin: 0; padding: 0; box-sizing: border-box; } html, body { height: 100vh; width: 100%; text-align: center; color: aliceblue; font-size: 30px; } main { height: 100vh; } .top { height: 50%; display: flex; border: 1px solid red; } .bottom { height: 50%; } .box { width: 50%; height: 100%; } .bottom div { height: 50%; width: 100%; } .bottom-left { background: green; } .bottom-right { background: pink; } .top-top { background: yellow; color: red; } .top-bottom { background: #1157f1; } </style> </pre>

```
</head>
<body>
  <main>
    <div class="bottom">
      <div class="box bottom-left">Vertically - top</div>
      <div class="box bottom-right">Vertically - bottom</div>
    </div>
    <div class="top">
      <div class="box top-top">Horizontally - left</div>
      <div class="box top-bottom">Horizontally - right</div>
    </div>
  </main>
</body>
</html>
```



9.	W.A.P that display message in alert box when user clicks button.
Ans	<pre><!DOCTYPE html> <html lang="en"> <head> <title>Alert box</title> </head> <style> button { height: 50px; width: 150px; border-radius: 12px; } </style> <script> function showAlert() { alert("Hello , I am Utsav !!! , this is use of alert"); } </script> <body> <button onclick="showAlert()">Click Here</button> </body> </html></pre> 

10.	W.A.P for on mouse over and on mouse out event. When user move mouse over the image zoom effect will set and when mouse is out image will display in original size.
Ans	<pre> <!DOCTYPE html> <html lang="en"> <head> <title>mouseover and mouseout</title> <style> * { box-sizing: border-box; margin: 0; padding: 0; } html, body { height: 100%; width: 100%; display: flex; align-items: center; justify-content: center; } img { height: 500px; width: auto; background-position: center; background-size: contain; overflow: hidden; cursor: pointer; transition: all ease-in-out 0.3s; } </style> </head> <body> <script> var img = document.getElementById("img"); function scaleUp() { img.style.scale = 1.1; } function scaleDown() { img.style.scale = 1; } </script> </body> </html> </pre>



11.	W.A.P which demonstrate on focus and on blur event
Ans	

12.	Create a simple html registration form that includes all possible form elements in it. on form submit display a dialog box with message "Congratulations Form Submitted Successfully".
Ans	

13.	Write JavaScript to perform basic mathematical operations like addition, subtractions, division and multiplication and display result on browser window.
Ans	

14.	Write a JavaScript to read value from two given textboxes and display total of values in the third textbox.
Ans	

15.	Write a JavaScript to read value of P, R and N from textbox and Display simple interest inside h1 tag.
Ans	

16.	Move an Image on a button clicks in Html using CSS and JavaScript.
Ans	

17.	Make Simple Calculator Using JavaScript and CSS.
Ans	