

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%;
}
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;
}

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;
}
```

```

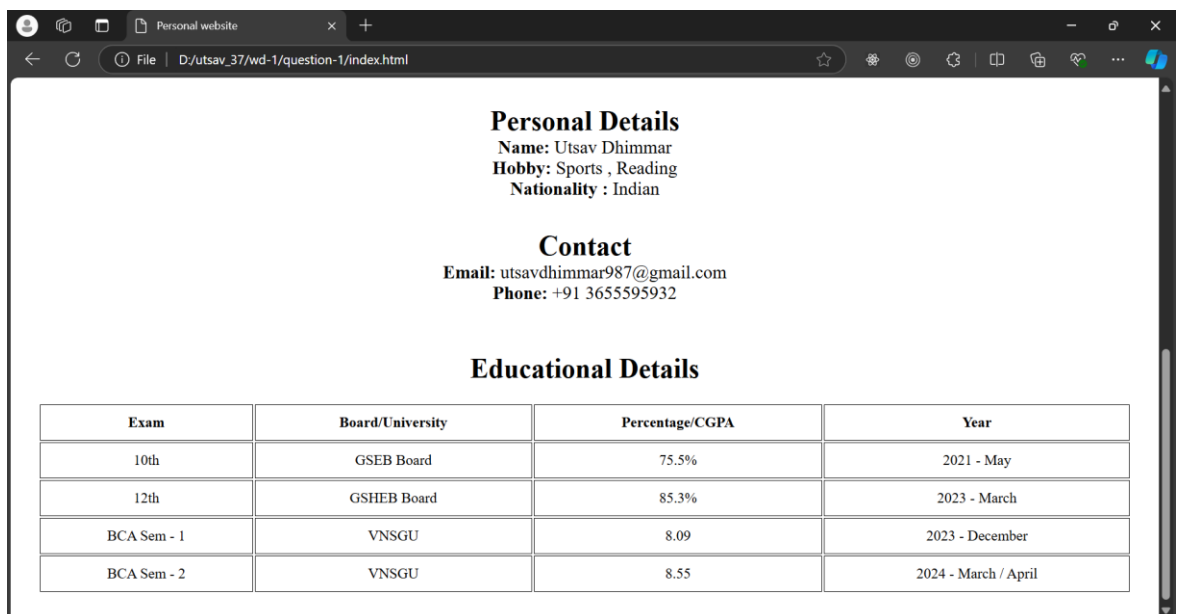
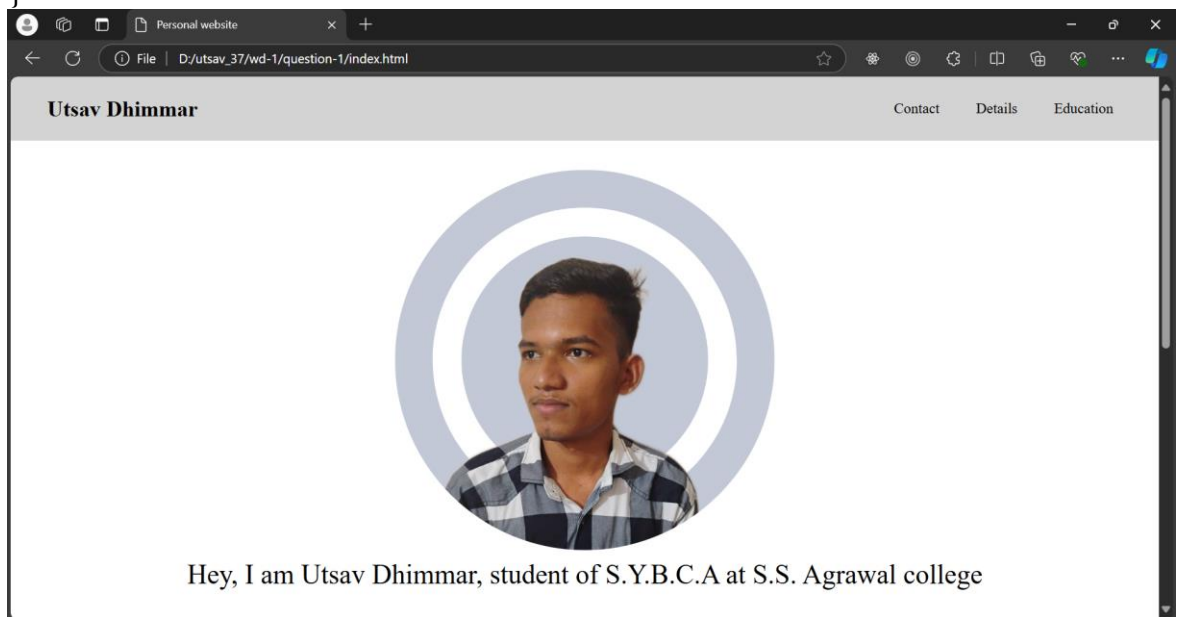
table th , table td {
padding: 10px;
border: 1px solid black;
text-align: center;
}
#edu {
width: 100%;
margin-top: 20px;
}

```

```

#edu h3 {
text-align: center;
}

```

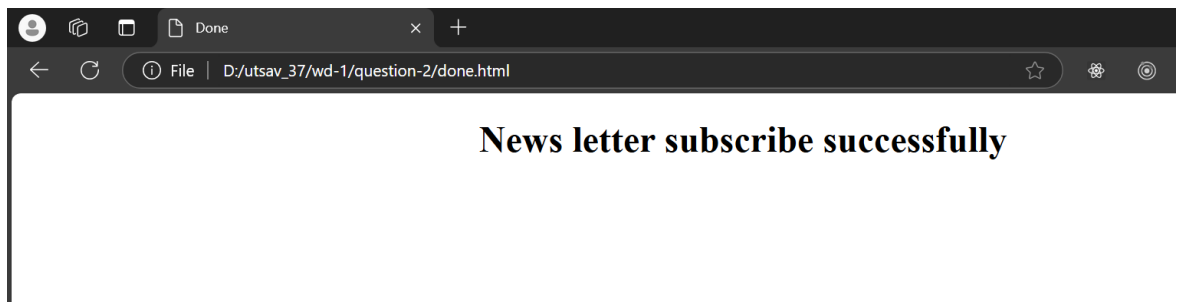


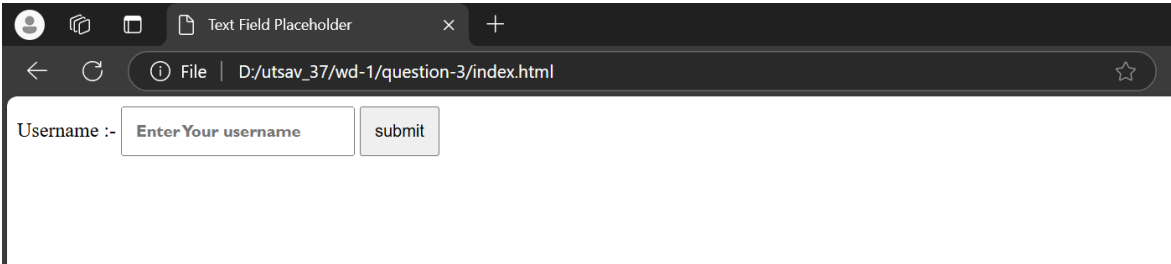
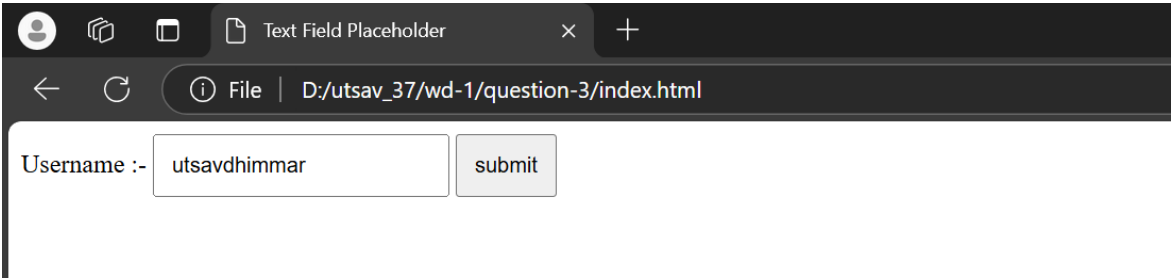
2.	Create a Email News letter using HTML and CSS.
Ans	<pre> ----- index.html ----- <!DOCTYPE html> <html> <head> <title>NewsLetter</title> <link rel="stylesheet" href="./style.css" /> </head> <body> <main> <h1>News letter</h1> <form method="post" action="./done.html"> <input type="email" name="email" 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; } form input { margin: 20px auto; padding: 10px; } </pre>

```
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>
```

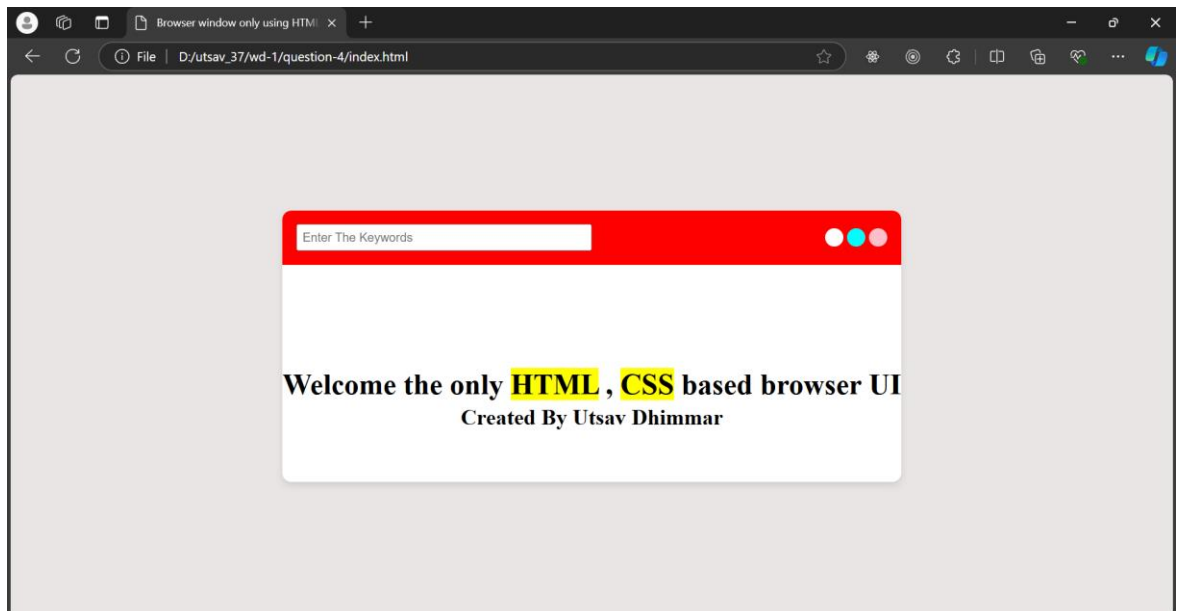


3.	Apply a placeholder for text.
Ans	<pre> <!DOCTYPE html> <html lang="en"> <head> <title>Text Field Placeholder</title> <style> ::placeholder { font-weight: 700; font-family: "Gill Sans", "Gill Sans MT", Calibri, "Trebuchet MS", sans-serif; } input { padding: 10px; } input:focus { border: none; background-color: 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>  

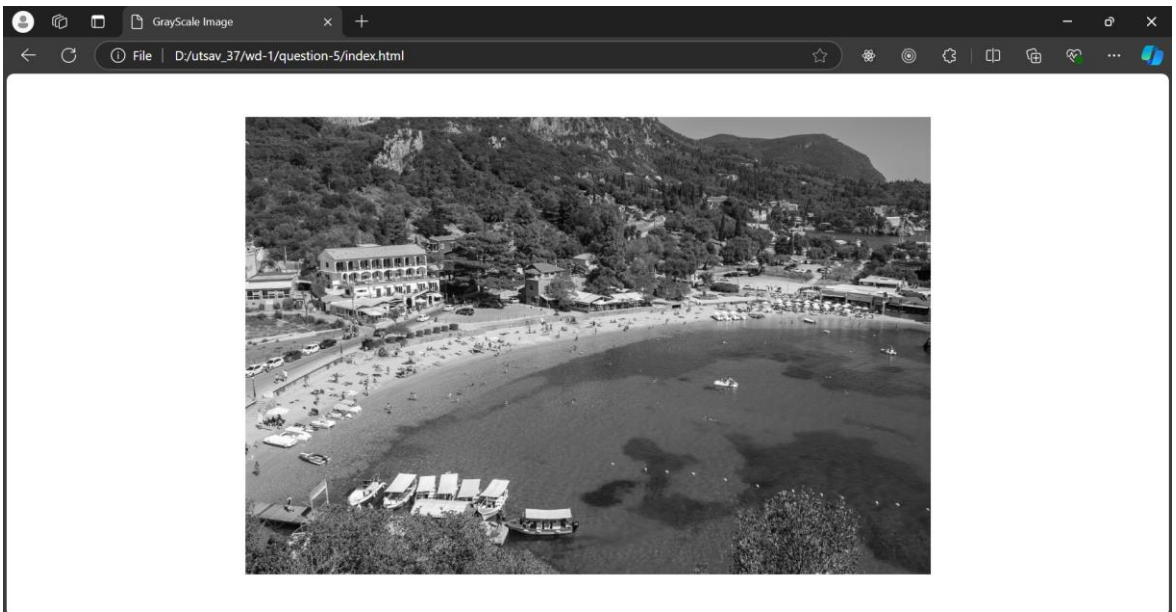
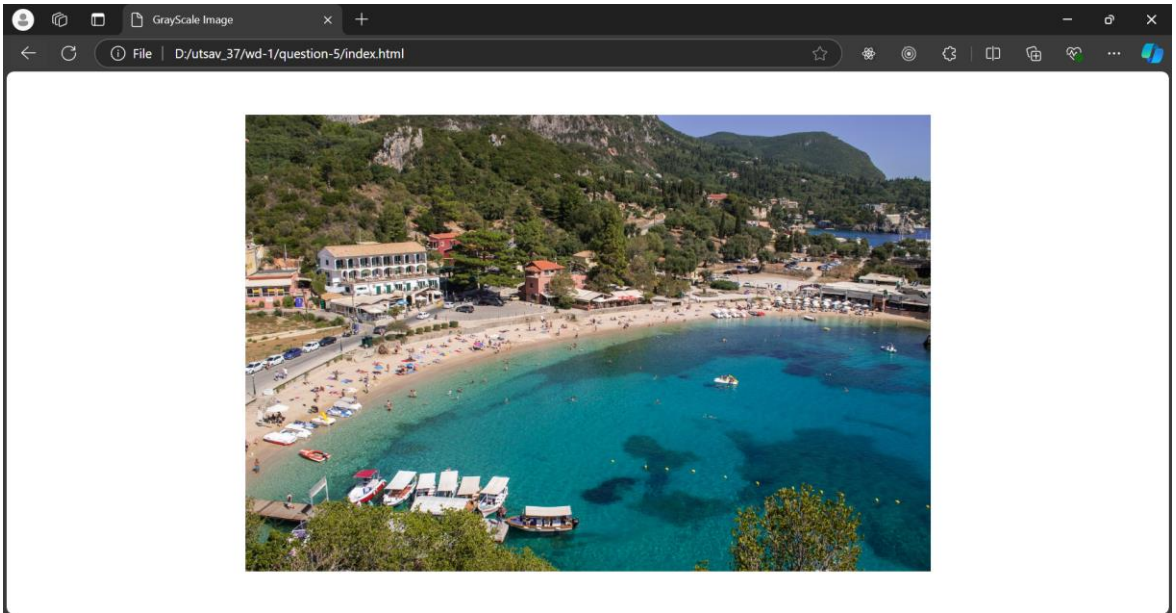
4.	Create a browser window using HTML and CSS.
Ans	<pre> ----- index.html ----- <!DOCTYPE html> <html lang="en"> <head> <title>Browser window only using HTML , CSS</title> <link rel="stylesheet" href="styles.css" /> </head> <body> <main> <div class="browser-window"> <div class="browser-header"> <div 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%; } body { display: flex; align-items: center; justify-content: center; background-color: #e9e5e5; } </pre>

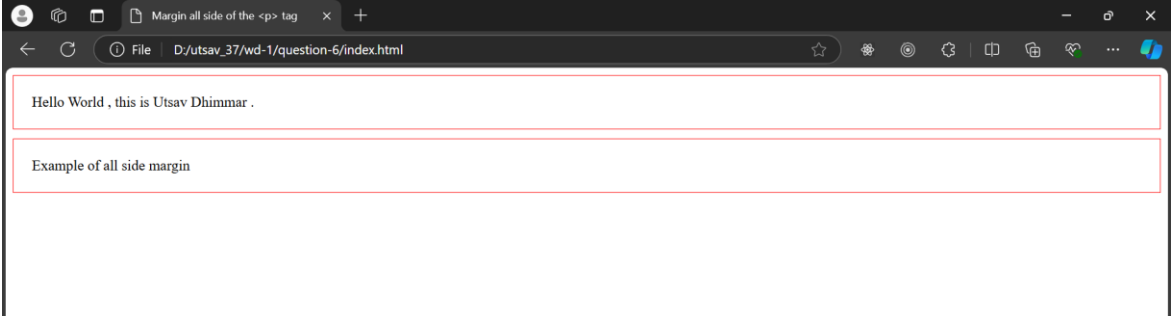

```
.browser-window {  
  width: 100%;  
  border-radius: 10px;  
  background-color: white;  
  height: 50vh;  
  box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);  
}  
.browser-header {  
  width: 100%;  
  background-color: red;  
  display: flex;  
  align-items: center;  
  justify-content: space-between;  
  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;  
}
```

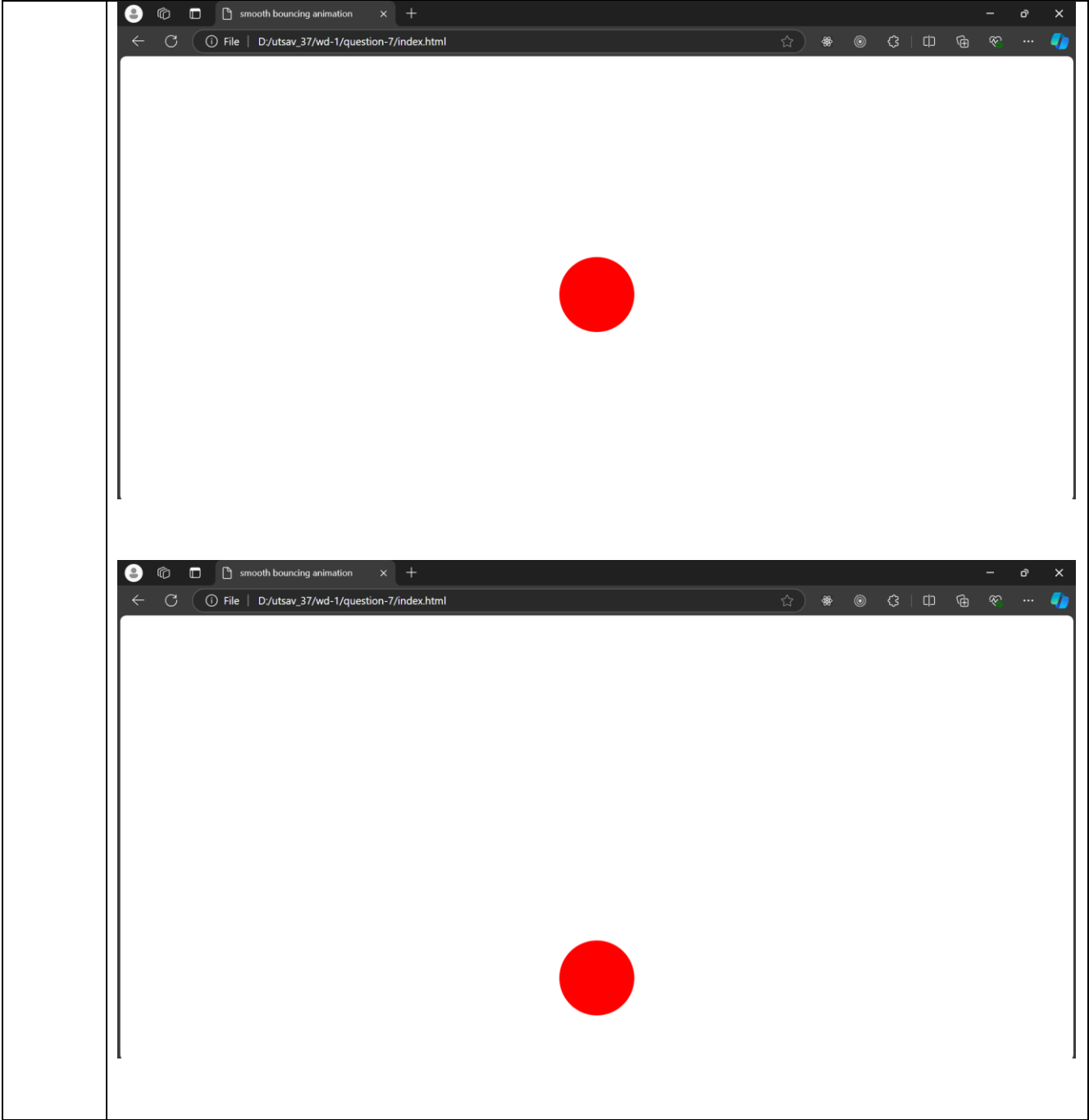


5.	Convert an image into grayscale using HTML and CSS.
Ans	<pre><!DOCTYPE html> <html lang="en"> <head> <title>GrayScale Image</title> <style> * { box-sizing: border-box; margin: 0; padding: 0; } html, body { height: 100%; width: 100%; display: flex; align-items: center; justify-content: center; } img { height: 500px; width: auto; background-position: center; background-size: contain; overflow: hidden; transition: all ease-in-out 0.9s; } img:hover { cursor: pointer; filter: grayscale(1); } </style> </head> <body> </body> </html></pre>



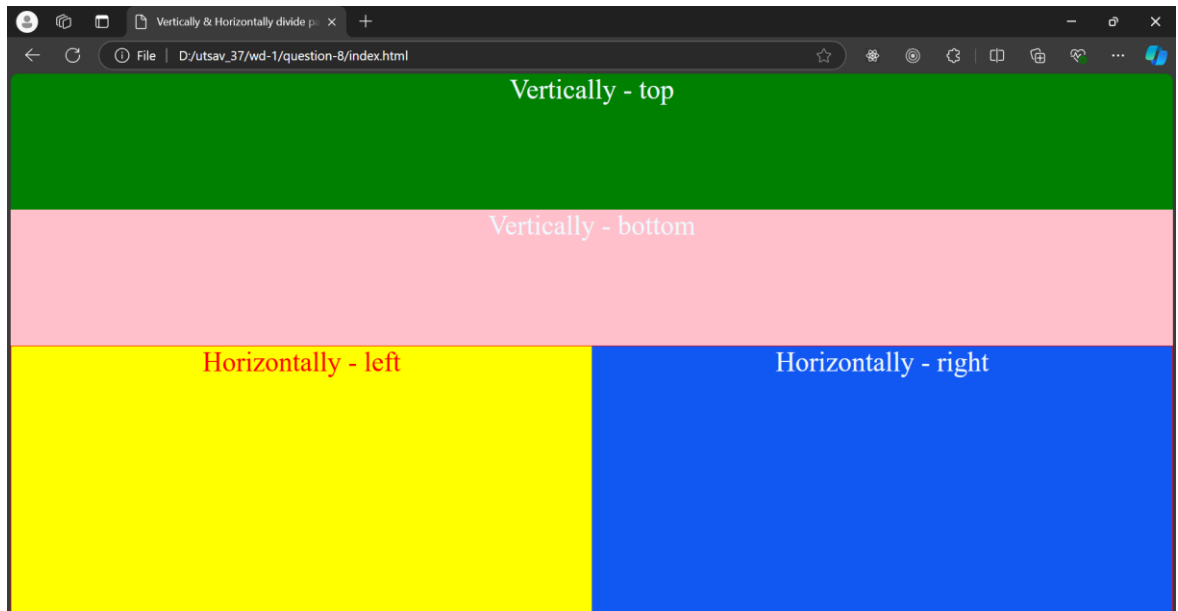
6.	Set all Margins of paragraph elements using CSS.
Ans	<pre><!DOCTYPE html> <html lang="en"> <head> <title>Margin all side of the <p> tag</title> <style> div { border: 1px solid red; margin-bottom: 10px; } p { margin: 20px; } </style> </head> <body> <div> <p>Hello World , this is Utsav Dhimmar .</p>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

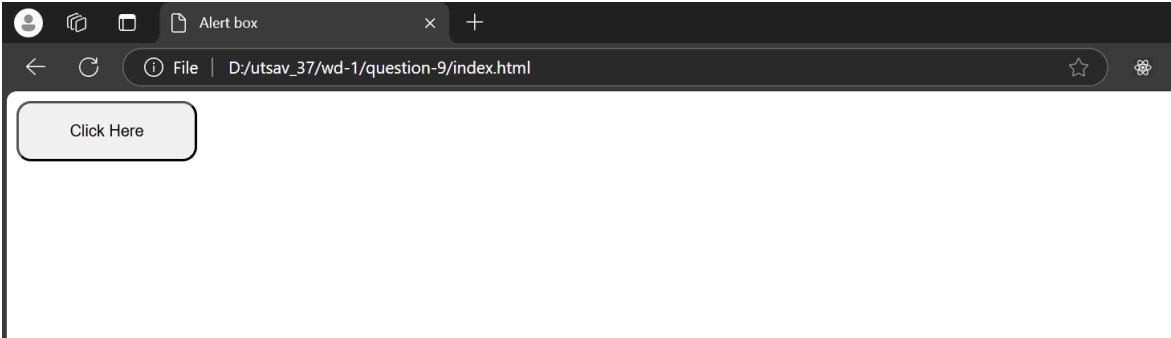
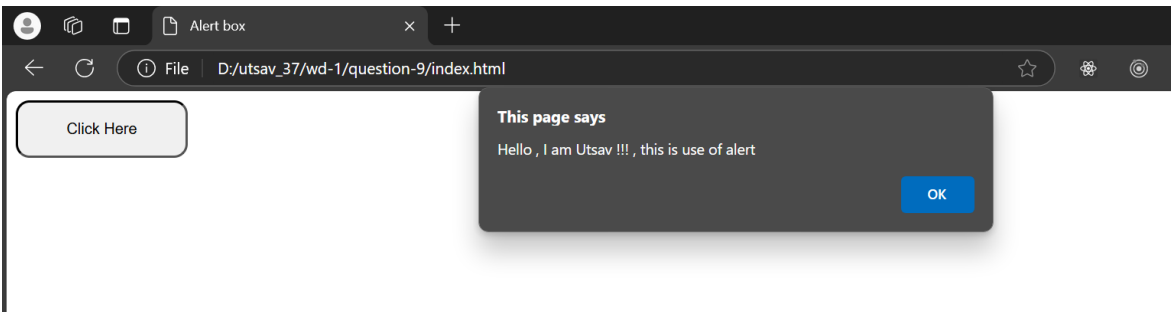
7.	Make a smooth bouncing animation using CSS.
Ans	<pre> <!DOCTYPE html> <html lang="en"> <head> <title>smooth bouncing animation</title> <style> * { margin: 0; padding: 0; box-sizing: border-box; } body, html { height: 100%; width: 100%; display: flex; align-items: center; justify-content: center; } .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>



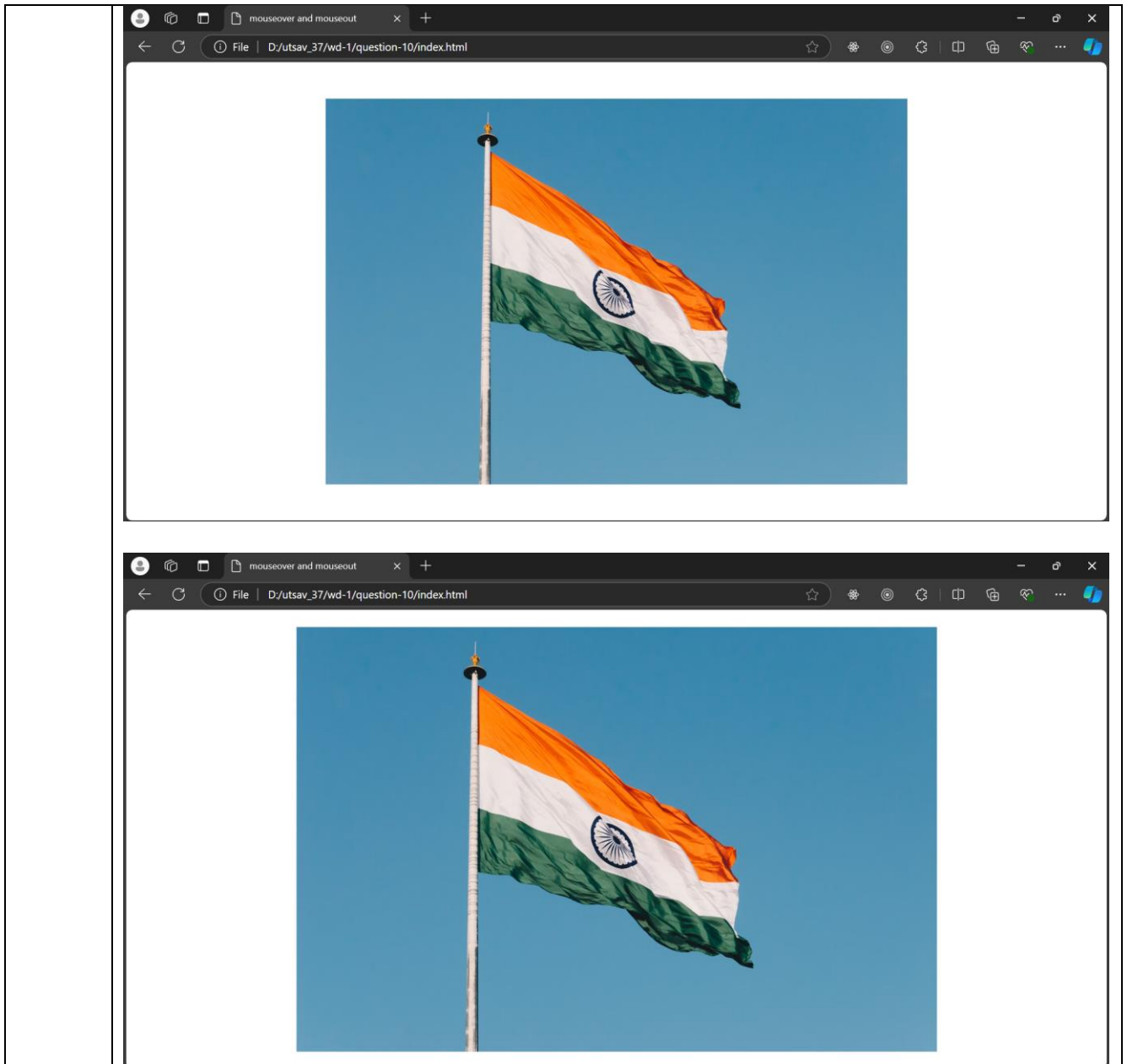
8.	Divide HTML page into two parts vertically & Horizontally.
Ans	<pre> <!DOCTYPE html> <html lang="en"> <head> <title>Vertically & Horizontally divide page</title> <style> * { margin: 0; padding: 0; box-sizing: border-box; } html, body { height: 100vh; width: 100%; text-align: center; color: aliceblue; 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>
```

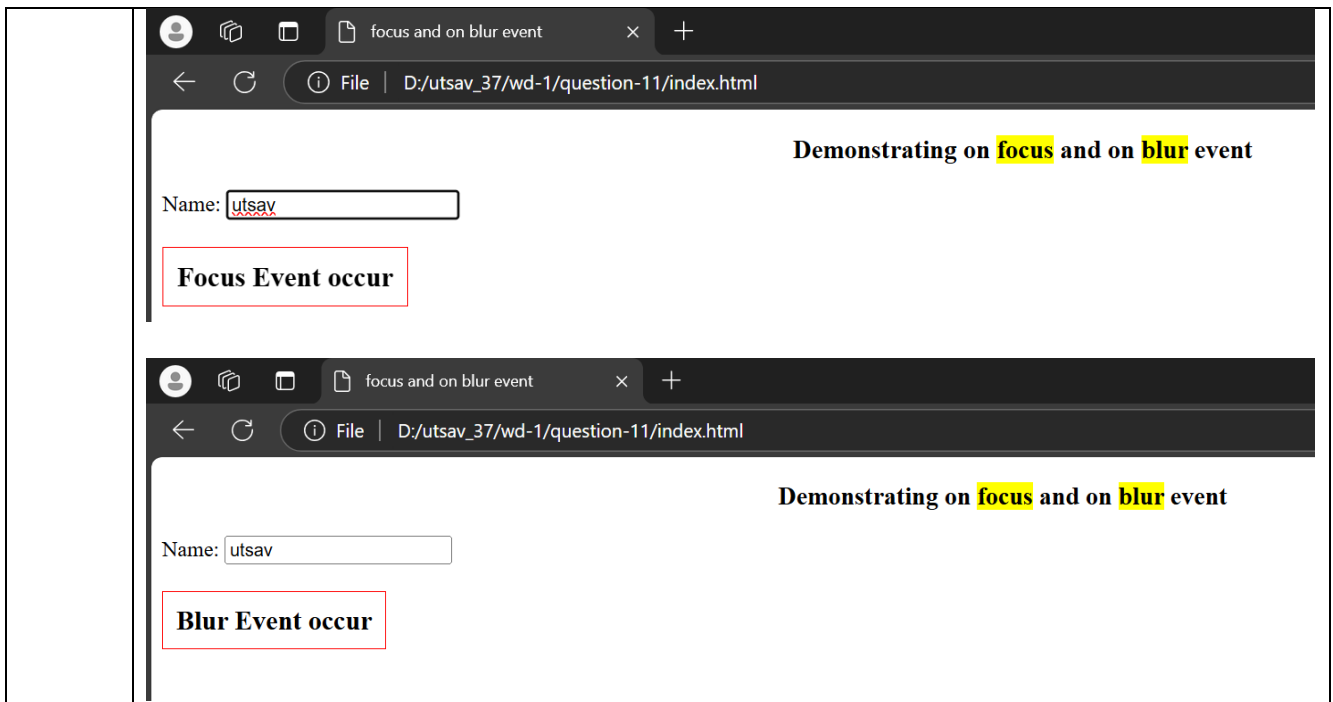


9.	W.A.P that display message in alert box when user clicks button.
Ans	<pre><!DOCTYPE html> <html lang="en"> <head> <title>Alert box</title> </head> <style> button { height: 50px; width: 150px; border-radius: 12px; } </style> <body> <button onclick="showAlert()">Click Here</button> </body> </html></pre>  

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	<pre> <!DOCTYPE html> <html lang="en"> <head> <title>focus and on blur event</title> <style> h3 { text-align: center; } #msg { width: 200px; padding: 10px; border: 1px solid red; height: 22px; text-align: center; font-weight: 700; font-size: 20px; } </style> </head> <body> <form> <h3>Demonstrating on <mark>focus</mark> and on <mark> blur</mark> event</h3> <form> <label> Name: <input type="text" placeholder="Enter Name" id="nameinput" onfocus="handleFocus()" onblur="handleBlur()" /> </label> </form> <p id="msg"></p> </form> <script> var displayMsg = document.getElementById("msg"); function handleFocus() { displayMsg.innerHTML = "Focus Event occur"; } function handleBlur() { displayMsg.innerHTML = "Blur Event occur"; } </script> </body> </html> </pre>



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	<pre> <!DOCTYPE html> <html lang="en"> <head> <title>Registration form with alert</title> <style> h1 { text-align: center; color: #333; } form { max-width: 400px; margin: 40px auto; padding: 20px; border-radius: 8px; } .input-box, select { width: 100%; padding: 8px; margin: 5px 0; border: 1px solid #ccc; border-radius: 4px; } .gender { margin: 5px 0; } .gender-sel, .lang { margin-left: 10px; } #submit-btn { width: 100%; padding: 10px; background-color: gray; color: white; border: none; border-radius: 4px; margin-top: 10px; } #city { width: 90%; } </style> </head> <body> <h1>Registration Form</h1> <form onsubmit="handleSubmit()"> <div> <label for="name">Name:</label> </pre>

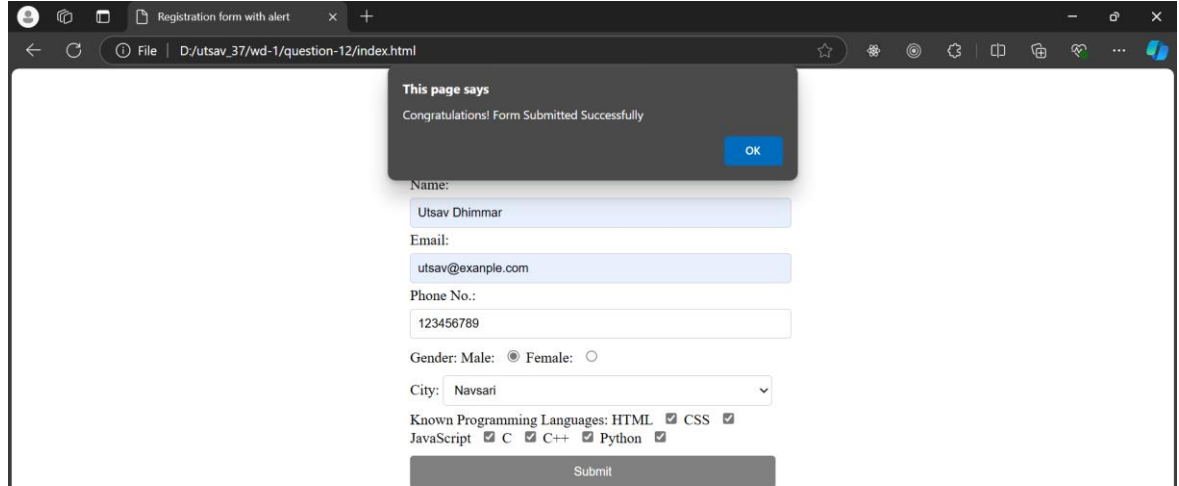
```

        <input type="text" id="name" name="name" placeholder="Enter Name"
class="input-box"/>
    </div>
    <div>
        <label for="email">Email:</label>
        <input type="email" id="email" name="email" placeholder="Enter Email"
class="input-box" />
    </div>
    <div>
        <label for="phoneno">Phone No.:</label>
        <input type="number" id="phoneno" name="phoneno" placeholder="Enter Phone
No." maxlength="10" class="input-box"/>
    </div>
    <div class="gender">
        Gender:
        <label for="male">Male:</label>
        <input type="radio" id="male" name="gender" value="male" class="gender-sel" />
        <label for="female">Female:</label>
        <input type="radio" id="female" name="gender" value="female" class="gender-
sel"/>
    </div>
    <div>
        <label for="city">City:</label>
        <select id="city" name="city">
            <option value="navsari" selected>Navsari</option>
            <option value="surat">Surat</option>
            <option value="valsad">Valsad</option>
        </select>
    </div>
    <div>
        <label>Known Programming Languages:</label>
        <label for="html">HTML</label>
        <input type="checkbox" name="languages" id="html" class="lang" value="html"/>
        <label for="css">CSS</label>
        <input type="checkbox" id="css" name="languages" value="css" class="lang" />
        <label for="js">JavaScript</label>
        <input type="checkbox" id="js" name="languages" value="js" class="lang" />
        <label for="c">C</label>
        <input type="checkbox" id="c" name="languages" value="c" class="lang" />
        <label for="cpp">C++</label>
        <input type="checkbox" id="cpp" name="languages" value="cpp" class="lang"/>
        <label for="python">Python</label>
        <input type="checkbox" id="python" name="languages" value="python"
class="lang"/>
    </div>
    <div>
        <input type="submit" id="submit-btn" />
    </div>
</form>

```



```
<script>
function handleSubmit() {
    alert("Congratulations! Form Submitted Successfully");
}
</script>
</body>
</html>
```



The screenshot shows a web browser window with the title "Registration form with alert". The address bar displays the file path "D:/utsav_37/wd-1/question-12/index.html". An alert dialog box is open, displaying the message "Congratulations! Form Submitted Successfully" with an "OK" button. Below the alert, the registration form is visible, containing the following fields and options:

- Name: Utsav Dhimmar
- Email: utsav@exanple.com
- Phone No.: 123456789
- Gender: Male: ☒ Female: ☐
- City: Navsari
- Known Programming Languages: HTML ☒ CSS ☒ JavaScript ☒ C ☒ C++ ☒ Python ☒
- Submit button

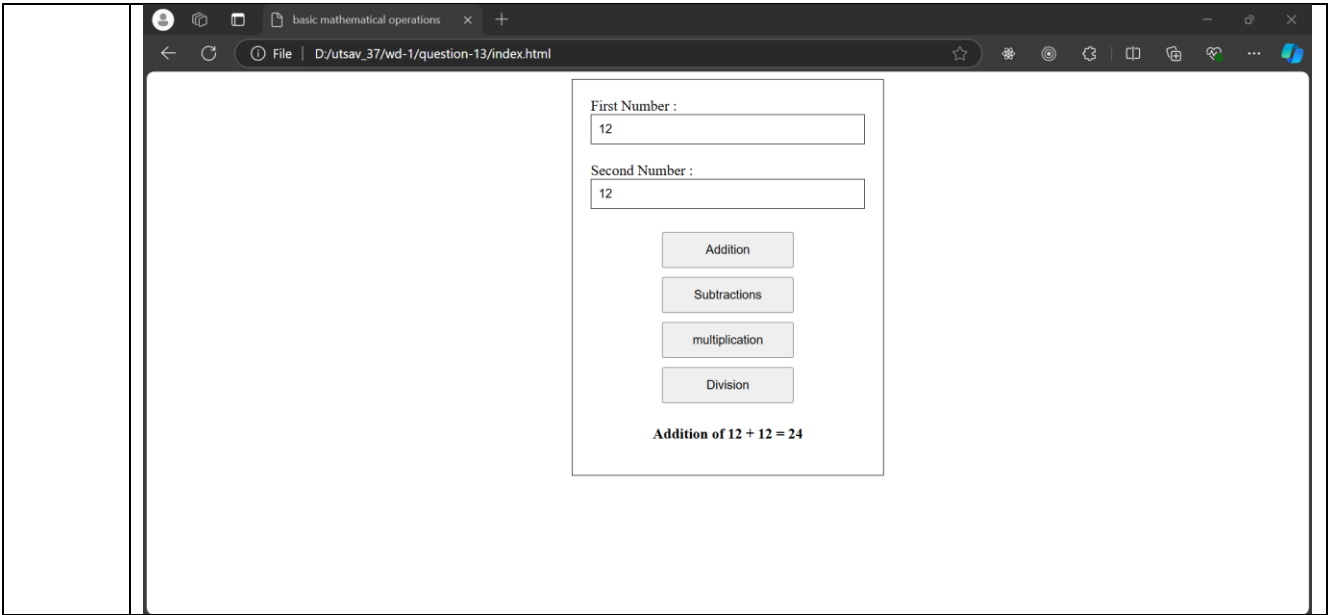
13.	Write JavaScript to perform basic mathematical operations like addition, subtractions, division and multiplication and display result on browser window.
Ans	<pre> <!DOCTYPE html> <html lang="en"> <head> <title>basic mathematical operations</title> <style> form { width: 300px; margin: 0 auto; padding: 20px; border: 1px solid #000; } label { display: block; margin-bottom: 10px; } input[type="number"] { width: 100%; padding: 8px; margin-bottom: 10px; border: 1px solid #000; box-sizing: border-box; } input[type="button"] { width: 48%; padding: 10px; margin: 5px 1%; } .btn-div { display: flex; align-items: center; justify-content: center; flex-direction: column; } #output { margin-top: 20px; font-weight: bold; text-align: center; } </style> </head> <body> <div> <form> <label> First Number : <input type="number" id="num1" /> </label> <label> </pre>

```

        Second Number :
        <input type="number" id="num2" />
    </label>

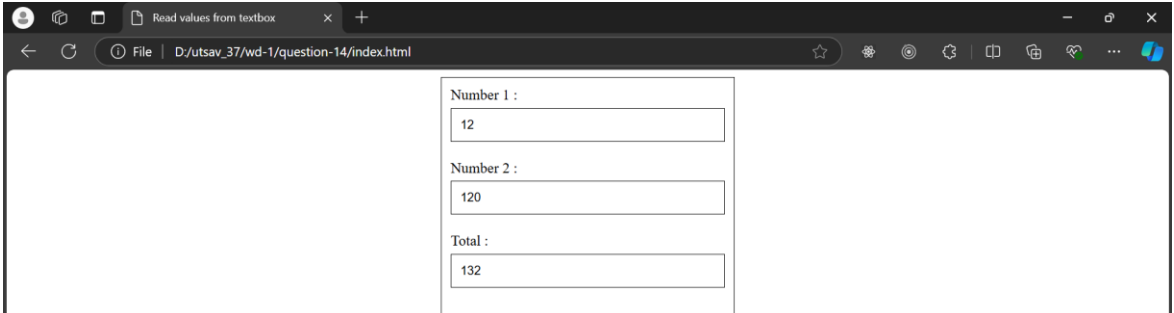
    <div class="btn-div">
        <input type="button" value="Addition" onclick="calculate('addition')"
name="Addition" />
        <input type="button" value="Subtractions" onclick="calculate('subtractions')"/>
        <input type="button" value="multiplication" onclick="calculate('multiplication')"/>
        <input type="button" value="Division" onclick="calculate('divide')"/>
    </div>
    <p id="output"></p>
</form>
</div>
<script>
function calculate(type) {
    var n1 = Number(document.getElementById("num1").value);
    var n2 = Number(document.getElementById("num2").value);
    if (!n1 || !n2) {
        alert("Enter Two valid number");
        return;
    }
    var ans = document.getElementById("output");
    switch (type) {
        case "addition":
            ans.innerHTML = `Addition of ${n1} + ${n2} = ${n1 + n2}`;
            break;
        case "subtractions":
            ans.innerHTML = `Subtractions of ${n1} - ${n2} = ${n1 - n2}`;
            break;
        case "multiplication":
            ans.innerHTML = `Multiplication of ${n1} * ${n2} = ${n1 * n2}`;
            break;
        case "divide":
            if (n2 != 0) {
                ans.innerHTML = `Division of ${n1} / ${n2} = ${n1 / n2}`;
            } else {
                ans.innerHTML = "Can't divide by zero .";
            }
            break;
    }
}
</script>
</body>
</html>

```



14.	Write a JavaScript to read value from two given textboxes and display total of values in the third textbox.
Ans	<pre> <!DOCTYPE html> <html lang="en"> <head> <title>Read values from textbox</title> <style> form { width: 300px; margin: 0 auto; padding: 10px; border: 1px solid #000; } label { display: block; margin-bottom: 10px; } input { width: 100%; padding: 5px; margin-top: 5px; margin-bottom: 10px; border: 1px solid #000; box-sizing: border-box; padding: 10px; } </style> </head> <body> <form> <div> <label> Number 1 : <input type="number" id="n1" placeholder="Enter first number" onblur="add()" /> </label> </div> <div> <label> Number 2 : <input type="number" id="n2" placeholder="Enter second number" onblur="add()" /> </label> </div> <div> <label> Total : <input type="number" id="ans" placeholder="answer will appear here" /> </label> </div> </form> <script> </pre>

```
function add() {  
    var n1 = Number(document.getElementById("n1").value);  
    var n2 = Number(document.getElementById("n2").value);  
    var ans = document.getElementById("ans");  
    ans.value = n1 + n2;  
}  
</script>  
</body>  
</html>
```



15.	Write a JavaScript to read value of P, R and N from textbox and Display simple interest inside h1 tag.
Ans	<pre> <!DOCTYPE html> <html lang="en"> <head> <title>simple interest</title> <style> form { width: 300px; margin: 0 auto; padding: 10px; border: 1px solid #000; } label { display: block; margin-bottom: 10px; } input { width: 100%; padding: 10px; margin-top: 5px; margin-bottom: 10px; border: 1px solid #000; box-sizing: border-box; } .btn { padding: 10px; } #interest { margin-top: 20px; font-weight: bold; text-align: center; } </style> </head> <body> <form> <div> <label> Principle Amount : <input placeholder="Enter Principle Amount" type="number" id="p" /> </label> </div> <div> <label> Interest Rate: <input placeholder="Enter Interest Rate" type="number" id="r" /> </label> </div> <div> <label> Number of Periods (in year only): </pre>

```
<input placeholder="Enter Number of Periods" type="number" id="n" />
</label>
</div>
<div>
  <input type="button" value="Calculate" onclick="simpleInterest()" class="btn" />
</div>
<h1 id="interest"></h1>
</form>

<script>
function simpleInterest() {
  var p = Number(document.getElementById("p").value);
  var r = Number(document.getElementById("r").value);
  var n = Number(document.getElementById("n").value);
  var ans = document.getElementById("interest");
  var result = (p * r * n) / 100;
  ans.innerHTML = `Simple interest ${result}`;
}
</script>
</body>
</html>
```

simple interest

File | D:/utsav_37/wd-1/question-15/index.html

Principle Amount :

12000

Interest Rate:

10

Number of Periods (in year only):

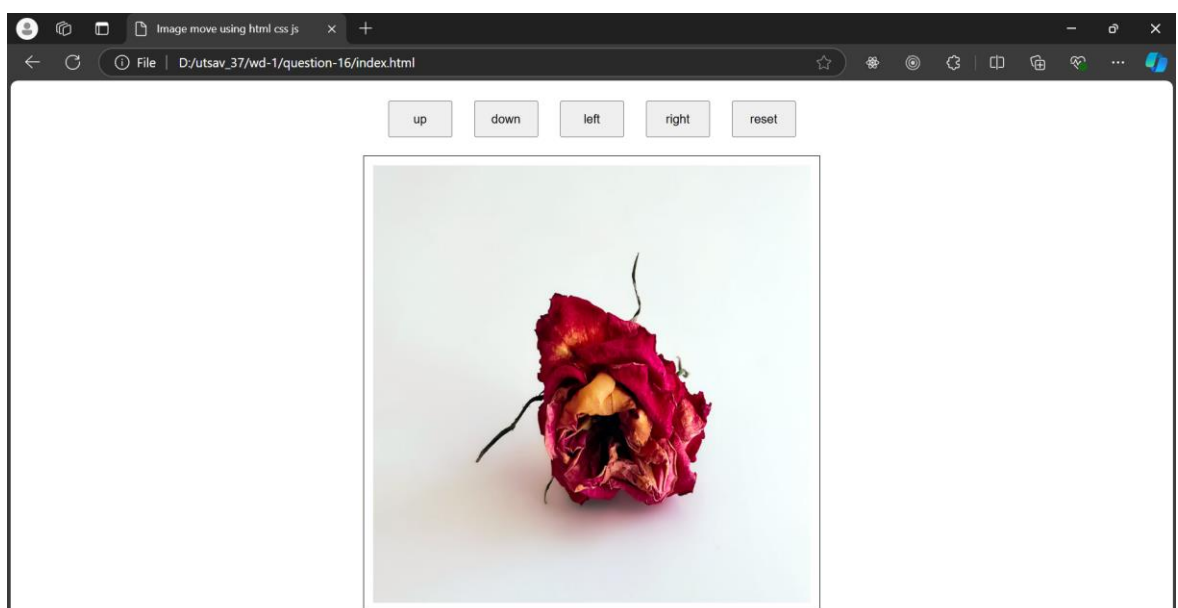
1

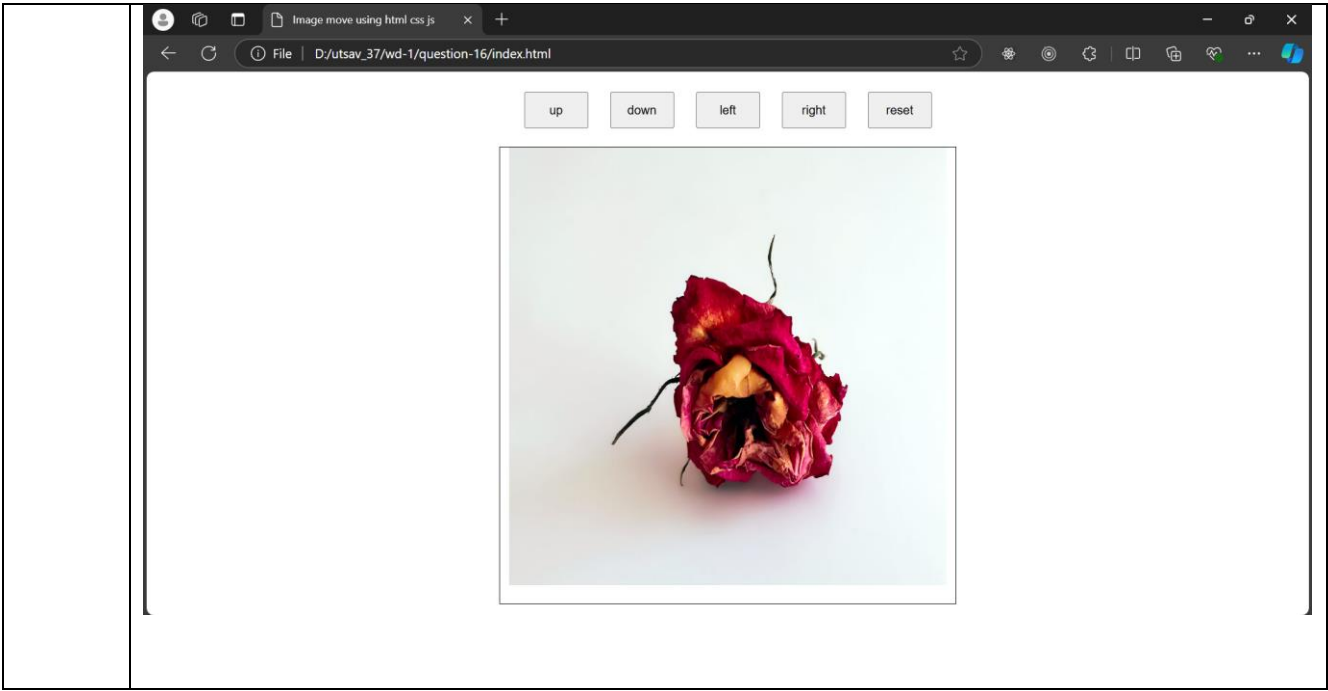
Calculate

Simple interest 1200

16.	Move an Image on a button clicks in Html using CSS and JavaScript.
Ans	<pre> <!DOCTYPE html> <html lang="en"> <head> <title>Image move using html css js</title> <style> * { margin: 0; padding: 0; box-sizing: border-box; } body { height: 100vh; width: 100vw; display: flex; align-items: center; justify-content: center; flex-direction: column; } img { background-position: center; height: 100%; width: 100%; transition: all ease-in 0.3s; } .btn { width: 70px; height: 40px; margin: 10px; cursor: pointer; } .img-div { height: 500px; width: 500px; margin-top: 10px; border: 1px solid black; padding: 10px; } </style> </head> <body> <div> <button type="button" class="btn" value="up" onclick="move('up')"> up </button> <button type="button" class="btn" value="down" onclick="move('down')"> down </button> <button type="button" class="btn" value="up" onclick="move('left')"> left </button> <button type="button" class="btn" value="down" onclick="move('right')"> </pre>

```
right
</button>
<button type="button" class="btn" value="down" onclick="move('reset')">
  reset
</button>
</div>
<div class="img-div">
  
</div>
<script>
function move(type) {
  var img = document.getElementById("img");
  switch (type) {
    case "up":
      img.style.transform = "translateY(-10px)";
      break;
    case "down":
      img.style.transform = "translateY(10px)";
      break;
    case "left":
      img.style.transform = "translateX(-10px)";
      break;
    case "right":
      img.style.transform = "translateX(10px)";
      break;
    case "reset":
      img.style.transform = "translateX(0)";
  }
}
</script>
</body>
</html>
```





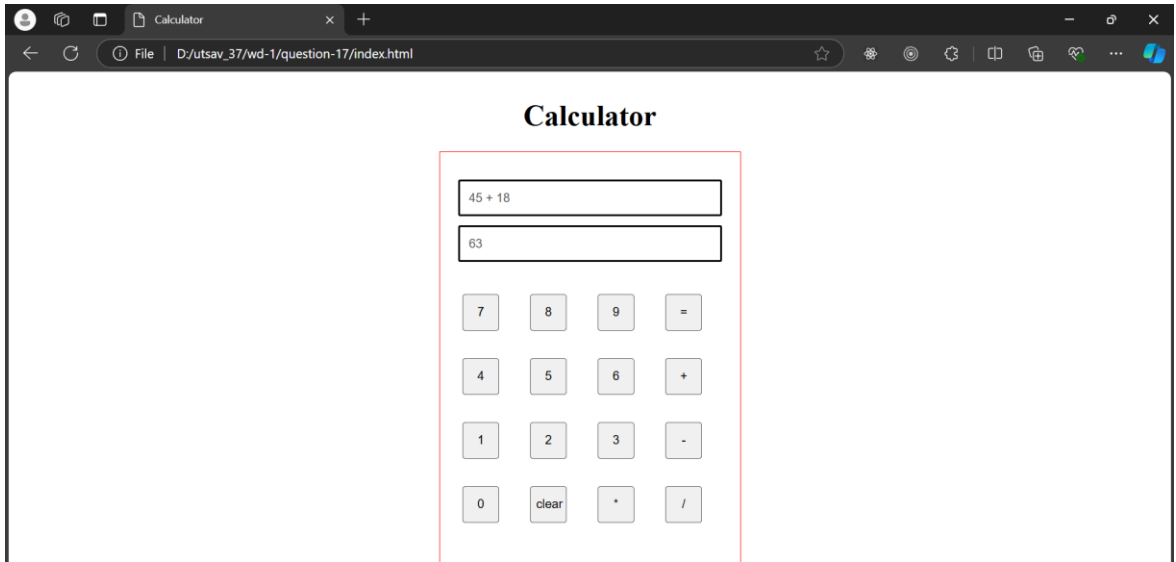
17.	Make Simple Calculator Using JavaScript and CSS.
Ans	<pre> <!DOCTYPE html> <html lang="en"> <head> <title>Calculator</title> <style> * { box-sizing: border-box; } body { display: flex; align-items: center; justify-content: center; flex-direction: column; } h1 { text-align: center; } .output-div { padding: 10px; } #output, #input { height: 40px; width: 100%; margin-top: 10px; padding: 10px; border: 2px solid rgb(4, 4, 4); border-radius: 2px; background: rgb(255, 255, 255); cursor: not-allowed; font-weight: 400; } .form-div { border: 1px solid red; height: 450px; width: 330px; padding: 10px; } .btn-div { margin-top: 10px; } .btn { margin: 15px; height: 40px; width: 40px; text-align: center; border-radius: 3px; border: 1px solid rgba(56, 54, 54, 0.808); cursor: pointer; } </style> </head> </pre>

```

<body>
<h1>Calculator</h1>
<form>
<div class="form-div">
<div class="output-div">
<input type="text" id="input" disabled />
<input type="text" id="output" disabled />
</div>
<div class="btn-div">
<div>
<input type="button" value="7" class="btn" onclick="setValue(7)" />
<input type="button" value="8" class="btn" onclick="setValue(8)" />
<input type="button" value="9" class="btn" onclick="setValue(9)" />
<input type="button" value="=" class="btn" onclick="calculate()" />
</div>
<div>
<input type="button" class="btn" value="4" onclick="setValue(4)" />
<input type="button" class="btn" value="5" onclick="setValue(5)" />
<input type="button" class="btn" value="6" onclick="setValue(6)" />
<input type="button" class="btn" value="+" onclick="handleOperation('+)" />
</div>
<div>
<input type="button" class="btn" value="1" onclick="setValue(1)" />
<input type="button" class="btn" value="2" onclick="setValue(2)" />
<input type="button" class="btn" value="3" onclick="setValue(3)" />
<input type="button" class="btn" value="-" onclick="handleOperation('-)" />
</div>
<div>
<input type="button" class="btn" value="0" onclick="setValue(0)" />
<input type="button" value="clear" class="btn" onclick="clearDisplay()" />
<input type="button" class="btn" value="*" onclick="handleOperation('*)" />
<input type="button" class="btn" value="/" onclick="handleOperation('/)" />
</div>
</div>
</div>
</form>
<script>
var display = document.getElementById("input");
var result = document.getElementById("output");
function setValue(number) {
    display.value += number;
}
function handleOperation(type) {
    display.value += " " + type + " ";
}
function calculate() {
    var ans = eval(display.value);
    result.value = ans;
}

```

```
function clearDisplay() {  
    display.value = "";  
    result.value = "";  
}  
</script>  
</body>  
</html>
```



18.	Apply Bootstrap to the registration form and create a proper decent looking registration form.
Ans	<pre> <!DOCTYPE html> <html lang="en"> <head> <title>Registration Form with Bootstrap</title> <link rel="stylesheet" href="/bootstrap/bootstrap.min.css" /> <style> body { background-color: #f8f9fa; } .form-group label { font-weight: bold; } .btn { width: 100%; } </style> </head> <body> <div class="container"> <h1 class="text-center">Registration Form</h1> <form id="lol"> <div class="form-group"> <label for="firstName">Name:</label> <input type="text" name="name" class="form-control" id="name" placeholder="Enter Your Name" /> </div> <div class="form-group"> <label for="email">Email:</label> <input type="email" name="email" class="form-control" id="email" placeholder="Enter Your Email" /> </div> <div class="form-group"> <label for="phoneNumber">Phone Number:</label> <input type="number" name="phonenum" class="form-control" id="phoneNumber" maxlength="10" placeholder="Enter Your Phone Number" /> </div> <div class="form-group"> <label for="password">Password:</label> <input type="password" name="pass" class="form-control" id="password" maxlength="10" max="10" placeholder="Enter Password" /> </div> <div class="form-group"> <label>Gender:</label> <label class="form-check-label mr-3"> <input type="radio" name="gender" value="male" /> Male </label> <label class="form-check-label"> <input type="radio" name="gender" value="female" /> Female </label> </div> </form> </div> </body> </pre>

```

<div class="form-group">
  <label for="city">City:</label>
  <select name="city" id="city" class="custom-select">
    <option value="navsari">Navsari</option>
    <option value="surat">Surat</option>
    <option value="valsad">Valsad</option>
    <option value="vapi">Vapi</option>
    <option value="bilimora">Bilimora</option>
  </select>
</div>
<div class="form-group">
  <label>Known Programming Language:</label>
  <label class="form-check-label ml-2">
    <input type="checkbox" name="language" value="html" /> HTML
  </label>
  <label class="form-check-label ml-2">
    <input type="checkbox" name="language" value="css" /> CSS
  </label>
  <label class="form-check-label ml-2">
    <input type="checkbox" name="language" value="js" /> JavaScript
  </label>
  <label class="form-check-label ml-2">
    <input type="checkbox" name="language" value="cpp" /> C++
  </label>
  <label class="form-check-label ml-2">
    <input type="checkbox" name="language" value="c" /> C
  </label>
  <label class="form-check-label ml-2">
    <input type="checkbox" name="language" value="sql" /> SQL
  </label>
</div>
<div class="form-group">
  <label for="address" class="form-check-label">Address</label>
  <textarea name="" class="form-control" id="address"></textarea>
</div>
<div class="form-group">
  <input type="submit" value="Register" class="btn btn-primary"
onclick="validateForm(event)" />
  <input type="reset" value="Reset" class="btn btn-secondary mt-2" />
</div>
</form>
</div>
<script>
function validateForm(‘’) {
  var name = document.getElementById("name").value;
  var email = document.getElementById("email").value;
  var pnumber = document.getElementById("phoneNumber").value;
  var password = document.getElementById("password").value;
  var gender = document.getElementsByName("gender");
  var lang = document.getElementsByName("language");

```



```

    if (!name) {
        alert("Enter Valid Name");
    }

    var email_at = email.indexOf("@");
    var email_dot = email.indexOf(".");

    if (email_at < 1 || email_dot - email_at < 2) {
        alert("Enter Valid email");
    }
    if (isNaN(pnumber) || pnumber.length != 10) {
        alert("Phone number digit must be 10");
    }
    if (gender[0].checked == false && gender[1].checked == false) {
        alert("Select Gender");
    }
    var temp = 0;
    for (let i = 0; i < lang.length; i++) {
        if (lang[i].checked) {
            temp++;
        }
    }
    if (temp < 2) {
        alert("At least you should know 2 language");
    }
}
</script>
</body>
</html>

```

```

----- done.html -----
<!DOCTYPE html>
<html lang="en">
<head>
<link rel="stylesheet" href="/bootstrap/bootstrap.min.css" />
<style>
    body {
        height: 100vh;
        width: 100vw;
    }
</style>
<title>Success</title>
</head>
<body>
<h1 class="text-center text-primary">Registration complete successfully</h1>
</body>
</html>

```

The image displays two screenshots of a web application. The top screenshot shows a registration form titled "Registration Form" with the following fields and options:

- Name:** Utsav Dhimmar
- Email:** utsav@example.com
- Phone Number:** 1234567890
- Password:** ...
- Gender:** ☒ Male ☐ Female
- City:** Navsari
- Known Programming Language:** ☒ HTML ☒ CSS ☒ JavaScript ☐ C++ ☐ C ☐ SQL
- Address:** 12, Dhimmar soc

At the bottom of the form are two buttons: "Register" (blue) and "Reset" (gray).

The bottom screenshot shows a success message: "Registration complete successfully" in blue text on a white background. The browser address bar shows the URL: `D:/utsav_37/wd-1/question-18/done.html?name=Utsav+Dhimmar&email=utsav%40example.com&phoneno=...`

19.	Create a responsive web site for all device with at least 5 pages for any system along with registration form using bootstrap. also use javascript for validation and perform proper validation in given registration form.
Ans	<pre> ----- index.html ----- <!DOCTYPE html> <html lang="en"> <head> <title>Competition World</title> <link rel="stylesheet" href="../bootstrap/bootstrap.min.css" /> </head> <body> <div class="container mt-3"> <div class="row"> <div class="col-12 col-md-8 mx-auto"> Home Competitions Register About Sponsors </div> </div> </div> <div class="container mt-5"> <div class="jumbotron"> <h1 class="display-4">Welcome to My System Competitions!</h1> <p class="lead">Join our exciting competitions, test your skills, and win amazing prizes! Choose from a variety of categories including coding, design, and quizzes.</p> <hr class="my-4" /> <p>Explore our competitions and find the one that suits you best.</p> Explore Competitions </div> </div> <div class="container mt-5"> <h2 class="mb-4">Why Participate?</h2> <div class="row"> <div class="col-md-4"> <div class="card"> <div class="card-body"> <h5 class="card-title">Improve Your Skills</h5> <p class="card-text">Whether it's programming, designing, or solving logic puzzles, participating in competitions helps you sharpen your skills. </pre>

```

    </p>
  </div>
</div>
<div class="col-md-4">
  <div class="card">
    <div class="card-body">
      <h5 class="card-title">Win Exciting Prizes</h5>
      <p class="card-text">
        We have amazing prizes for the winners in each category. Show
        off your talent and claim your prize!
      </p>
    </div>
  </div>
</div>
<div class="col-md-4">
  <div class="card">
    <div class="card-body">
      <h5 class="card-title">Showcase Your Creativity</h5>
      <p class="card-text">
        From designing logos to creating websites, our competitions
        offer a platform for you to express your creativity and
        innovation.
      </p>
    </div>
  </div>
</div>
</div>
</div>
</div>

<footer class="footer mt-auto py-3 bg-light">
  <div class="container">
    <span class="text-muted">Competition World © 2024. All rights reserved.</span>
  </div>
</footer>
</body>
</html>
----- competition.html -----
<!DOCTYPE html>
<html lang="en">
  <head>
    <title>Competitions - My System</title>
    <link rel="stylesheet" href="../bootstrap/bootstrap.min.css" />
  </head>
  <body>
    <div class="container mt-3">
      <div class="row">
        <div class="col-12 col-md-8 mx-auto">
          <a href="index.html" class="btn btn-outline-primary btn-block mb-3 py-
2" >Home</a>
          <a href="competition.html" class="btn btn-outline-primary btn-block mb-3 py-
2" >Competitions</a>

```

```

        <a href="register.html" class="btn btn-outline-primary btn-block mb-3 py-
2" >Register</a>
        <a href="about.html" class="btn btn-outline-primary btn-block mb-3 py-2" >About
</a>
        <a href="sponsors.html" class="btn btn-outline-primary btn-block mb-3 py-
2" >Sponsors</a>
    </div>
</div>
</div>

<div class="container mt-5">
<h2 class="mb-4">Competitions</h2>
<div class="card mb-4">
    <div class="card-body">
        <h4 class="card-title">1. Fast Finger MCQ</h4>
        <p class="card-text">BCA course based MCQ test</p>
        <a href="register.html" class="btn btn-primary">Participate</a>
    </div>
</div>

<div class="card mb-4">
    <div class="card-body">
        <h4 class="card-title">2. Logic-Based</h4>
        <p class="card-text">
            Solve simple yet challenges in C , C++ , Python programming logic
            problems. The best solution wins!
        </p>
        <a href="register.html" class="btn btn-primary">Participate</a>
    </div>
</div>

<div class="card mb-4">
    <div class="card-body">
        <h4 class="card-title">3. Logo Design</h4>
        <p class="card-text">
            Unleash your creativity and design stunning logos. The most creative
            logo wins!</p>
        <a href="register.html" class="btn btn-primary">Participate</a>
    </div>
</div>

<div class="card mb-4">
    <div class="card-body">
        <h4 class="card-title">4. Web Design using HTML, CSS, and JS</h4>
        <p class="card-text">
            Show off your web development skills by creating a website using
            HTML, CSS, and JavaScript.
        </p>
        <a href="register.html" class="btn btn-primary">Participate</a>
    </div>
</div>
</div>

```

```

<footer class="footer mt-auto py-3 bg-light">
  <div class="container">
    <span class="text-muted">Competition World© 2024. All rights reserved.</span>
  </div>
</footer>
</body>
</html>
----- register.html -----
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Registration Form</title>
  <link rel="stylesheet" href="../bootstrap/bootstrap.min.css" />
  <style>
    body {
      background-color: #f8f9fa;
    }
    .form-group label {
      font-weight: bold;
    }
    .btn {
      width: 100%;
    }
  </style>
</head>
<body>
  <div class="container">
    <h1 class="text-center">Registration Form for competition</h1>
    <form id="lol" action="done.html">
      <div class="form-group">
        <label for="firstName">Name:</label>
        <input type="text" name="name" class="form-control" id="name"
placeholder="Enter Your Name"/>
      </div>
      <div class="form-group">
        <label for="email">Email:</label>
        <input type="email" name="email" class="form-control" id="email"
placeholder="Enter Your Email"/>
      </div>
      <div class="form-group">
        <label for="phoneNumber">Phone Number:</label>
        <input type="number" name="phonenum" class="form-control" id="phoneNumber"
maxlength="10" placeholder="Enter Your Phone Number"/>
      </div>
      <div class="form-group">
        <label for="password">Password:</label>
        <input type="password" name="pass" class="form-control" id="password"
maxlength="10" max="10" placeholder="Enter Password" />
      </div>
      <div class="form-group">
        <label>Gender:</label>

```

```

<label class="form-check-label mr-3">
  <input type="radio" name="gender" value="male" /> Male
</label>
<label class="form-check-label">
  <input type="radio" name="gender" value="female" /> Female
</label>
</div>
<div class="form-group">
  <label for="city">City:</label>
  <select name="city" id="city" class="custom-select">
    <option value="navsari">Navsari</option>
    <option value="surat">Surat</option>
    <option value="valsad">Valsad</option>
    <option value="vapi">Vapi</option>
    <option value="bilimora">Bilimora</option>
  </select>
</div>
<div class="form-group">
  <label>Known Programming Language:</label>
  <label class="form-check-label ml-2">
    <input type="checkbox" name="language" value="html" /> HTML
  </label>
  <label class="form-check-label ml-2">
    <input type="checkbox" name="language" value="css" /> CSS
  </label>
  <label class="form-check-label ml-2">
    <input type="checkbox" name="language" value="js" /> JavaScript
  </label>
  <label class="form-check-label ml-2">
    <input type="checkbox" name="language" value="cpp" /> C++
  </label>
  <label class="form-check-label ml-2">
    <input type="checkbox" name="language" value="c" /> C
  </label>
  <label class="form-check-label ml-2">
    <input type="checkbox" name="language" value="sql" /> SQL
  </label>
</div>
<div class="form-group">
  <label for="address" class="form-check-label">Address</label>
  <textarea name="" class="form-control" id="address"></textarea>
</div>
<div class="form-group">
  <input type="submit" value="Register" class="btn btn-primary"
onclick="validateForm(event)" />
  <input type="reset" value="Reset" class="btn btn-secondary mt-2" />
</div>
</form>
</div>
<script>
function validateForm() {
  var name = document.getElementById("name").value;

```

```

var email = document.getElementById("email").value;
var pnumber = document.getElementById("phoneNumber").value;
var password = document.getElementById("password").value;
var gender = document.getElementsByName("gender");
var lang = document.getElementsByName("language");

if (!name) {
    alert("Enter Valid Name");
}

var email_at = email.indexOf("@");
var email_dot = email.indexOf(".");

if (email_at < 1 || email_dot - email_at < 2) {
    alert("Enter Valid email");
}
if (isNaN(pnumber) || pnumber.length != 10) {
    alert("Phone number digit must be 10");
}
if (gender[0].checked == false && gender[1].checked == false) {
    alert("Select Gender");
}
var temp = 0;
for (let i = 0; i < lang.length; i++) {
    if (lang[i].checked) {
        temp++;
    }
}
if (temp < 2) {
    alert("At least you should know 2 language");
}
}
</script>
</body>
</html>
----- about.html -----
<!DOCTYPE html>
<html lang="en">
<head>
<title>About Us - Competition Website</title>
<link rel="stylesheet" href="../bootstrap/bootstrap.min.css" />
</head>
<body>
<div class="container mt-3">
<div class="row">
<div class="col-12 col-md-8 mx-auto">
<a href="index.html" class="btn btn-outline-primary btn-block mb-3 py-2">Home</a>
<a href="competition.html" class="btn btn-outline-primary btn-block mb-3 py-2">Competitions</a>
<a href="register.html" class="btn btn-outline-primary btn-block mb-3 py-2">Register</a>

```



```

    <a href="about.html" class="btn btn-outline-primary btn-block mb-3 py-
2" >About</a>
    <a href="sponsors.html" class="btn btn-outline-primary btn-block mb-3 py-
2" >Sponsors
    </a>
    </div>
    </div>
    </div>
    <div class="container my-5">
    <h1 class="text-center mb-4">About Us</h1>

    <div class="row justify-content-center">
    <div class="col-md-8">
    <p>
    Welcome to our competition website! We are a team of passionate
    individuals dedicated to organizing and promoting fair, exciting,
    and engaging competitions.
    </p>
    <p>
    Our mission is to provide a platform for participants to showcase
    their skills, connect with like-minded individuals, and grow
    together.
    </p>
    </div>
    </div>

    <div class="row justify-content-center mt-5">
    <div class="col-md-6">
    <table class="table table-bordered">
    <tbody>
    <tr>
    <th scope="row">Email</th>
    <td>
    <a
href="mailto:competitio@utsavexamaple.com">competitio@utsavexamaple.com</a>
    </td>
    </tr>
    <tr>
    <th scope="row">Phone Number</th>
    <td>1234567891</td>
    </tr>
    <tr>
    <th scope="row">Support Email</th>
    <td>
    <a
href="mailto:supportcompetitio@utsavexamaple.com">supportcompetitio@utsavexamapl
e.com</a>
    </td>
    </tr>
    </tbody>
    </table>
    </div>

```

```

</div>

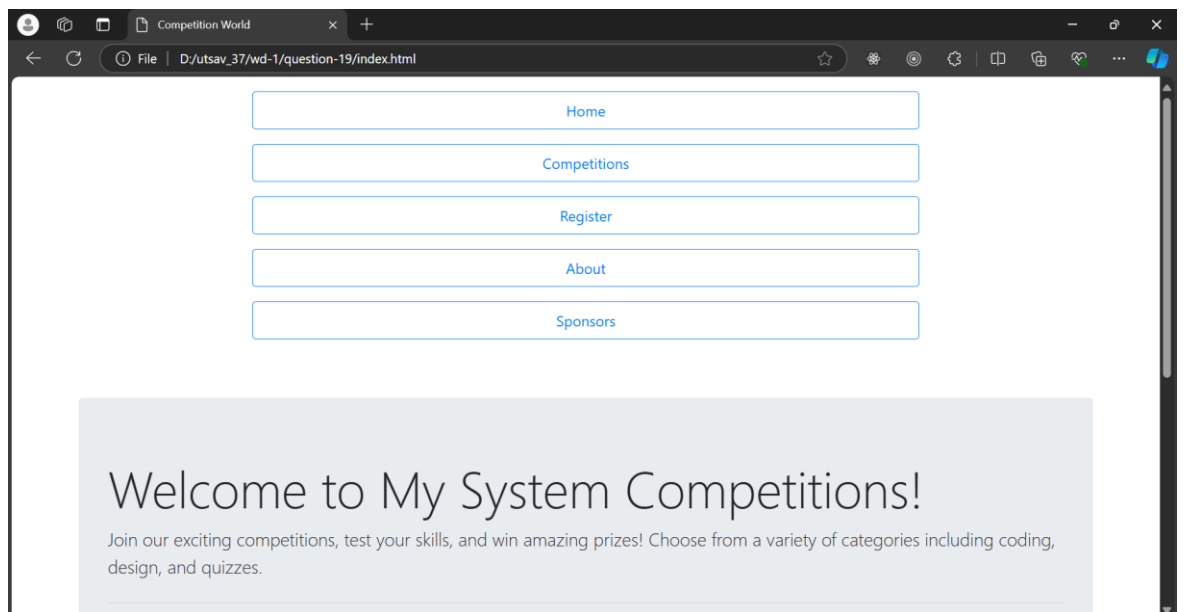
<footer class="footer mt-auto py-3 bg-light">
  <div class="container">
    <span class="text-muted">
      >Competition World© 2024. All rights reserved.</span>
    >
  </div>
</footer>
</div>
</body>
</html>
----- sponsors.html -----
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8" />
  <meta name="viewport" content="width=device-width, initial-scale=1.0" />
  <title>Sponsors - Sheng-Rilla</title>
  <link rel="stylesheet" href="../bootstrap/bootstrap.min.css" />
  <style>
    .img-fluid {
      max-width: 100px;
    }
  </style>
</head>
<body>
  <div class="container mt-3">
    <div class="row">
      <div class="col-12 col-md-8 mx-auto">
        <a href="index.html" class="btn btn-outline-primary btn-block mb-3 py-2">Home</a>
        <a href="competition.html" class="btn btn-outline-primary btn-block mb-3 py-2">Competitions</a>
        <a href="register.html" class="btn btn-outline-primary btn-block mb-3 py-2">Register</a>
        <a href="about.html" class="btn btn-outline-primary btn-block mb-3 py-2">About</a>
        <a href="sponsors.html" class="btn btn-outline-primary btn-block mb-3 py-2">Sponsors</a>
      </div>
    </div>
  </div>
  <div class="container my-5">
    <h1 class="text-center mb-4">Our Sponsors</h1>

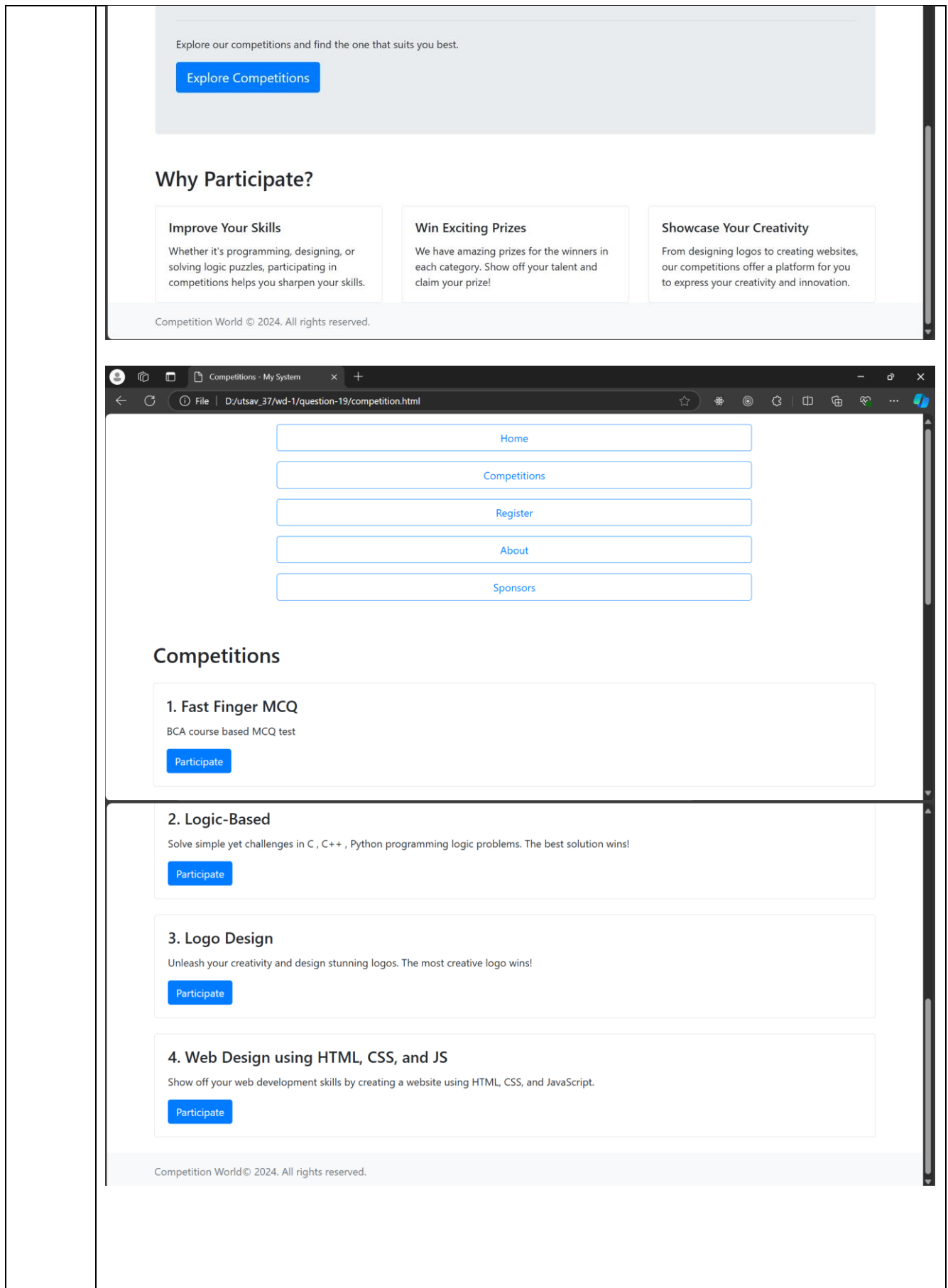
    <table class="table table-bordered">
      <thead>
        <tr>
          <th scope="col">Name</th>
          <th scope="col">Title/Position</th>
          <th scope="col">Company</th>

```

```
</tr>
</thead>
<tbody>
<tr>
<td>Karena Kush</td>
<td>CEO</td>
<td>Kush Technologies</td>
</tr>
<tr>
<td>Sam Altman</td>
<td>Co-founder & CEO</td>
<td>OpenAI</td>
</tr>
</tbody>
</table>
```

```
<p class="text-center mt-4">
  We are grateful for the support of our sponsors, who help make
  Sheng-Rilla possible.
</p>
</div>
</body>
</html>
```





The screenshot shows a web browser window with the title 'Registration Form for competition'. The URL is 'D:/utsav_37/wd-1/question-19/register.html'. The form contains the following fields and elements:

- Name:** Text input field with the value 'Utsav Dhimmar'.
- Email:** Text input field with the value 'utsav@example.com'.
- Phone Number:** Text input field with the value '1234567891'.
- Password:** Password input field with three dots indicating masked text.
- Gender:** Radio buttons for 'Male' (selected) and 'Female'.
- City:** Dropdown menu with 'Navsari' selected.
- Known Programming Language:** Checkboxes for 'HTML' (checked), 'CSS' (checked), 'JavaScript' (checked), 'C++' (unchecked), 'C' (unchecked), and 'SQL' (unchecked).
- Address:** Text input field with the value '12, Dhimmar Soc'.
- Buttons:** A blue 'Register' button and a grey 'Reset' button.

The screenshot shows a web browser window with the title 'About Us - Competition Website'. The URL is 'D:/utsav_37/wd-1/question-19/about.html'. The page contains the following elements:

- Navigation Links:** Five buttons labeled 'Home', 'Competitions', 'Register', 'About', and 'Sponsors'.
- Section Header:** A large heading 'About Us'.
- Text:**
 - 'Welcome to our competition website! We are a team of passionate individuals dedicated to organizing and promoting fair, exciting, and engaging competitions.'
 - 'Our mission is to provide a platform for participants to showcase their skills, connect with like-minded individuals, and grow together.'
- Contact Information Table:**

Email	competitio@utsavexamaple.com
Phone Number	1234567891
Support Email	supportcompetitio@utsavexamaple.com
- Footer:** A grey bar at the bottom with the text 'Competition World© 2024. All rights reserved.'

