

Assignment-2

Subject: CSW-1 (CSE 2141)

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Branch: B.Tech (CSE)

Q1. Create an HTML page with headings and paragraphs. Apply inline styles to the h1 and h2 headings, such as changing the font color and size. Use internal styles for the h3 and h4 headings by applying styles using the id attribute, such as setting text alignment and font-weight. Additionally, link an external stylesheet to define the body background color, style the h5 heading, and set the paragraph's text color and font size using the class attribute. Ensure the external stylesheet is properly linked to the HTML page

CODE:-

```
<html >

<head>

  <title>Ahab Anwer, Assignment-2, Q-1</title>

  <link rel="stylesheet" href="style.css">

  <style>

    #id1 {

      text-align: center;

      font-weight: bold;

    }

    #id2 {

      text-align: right;

      font-weight: normal;

    }

  </style>

</head>

<body>

  <h1 style="color: #F47174; font-size: 36px;">This is an H1 Heading</h1>

  <h2 style="color: #96b0bc; font-size: 28px;">This is an H2 Heading</h2>

  <h3 id="id1">This is an H3 Heading</h3>
```

```
<h4 id="id2">This is an H4 Heading</h4>
```

```
<h5>This is an H5 Heading</h5>
```

```
<p class="text-style">This is a paragraph styled with external CSS.</p>
```

```
</body>
```

```
</html>
```

CSS CODE:-

```
body {  
    background-color: #f0f0f0;  
}
```

```
h5 {  
font-family:arial;  
    font-size: 20px;  
    text-align: left;  
    color: #006400;  
}
```

```
.text-style {  
font-family:arial;  
    color: #808080;  
    font-size: 16px;  
}
```

OUTPUT:-

This is an H1 Heading

This is an H2 Heading

This is an H3 Heading

This is an H4 Heading

This is an H5 Heading

This is a paragraph styled with external CSS.

Q2. Imagine you are designing a webpage for a product display. You want to style the product container using the CSS box model. The product container should have a content width of 400px, padding of 20px on all sides, a border of 10px, and a margin of 15px around it. Inside this container, place an image of the product along with a brief description. Arrange three products in a row and ensure that the images and descriptions are properly aligned within each container.

CODE:-

```
<html>

<head>

    <title>Ahab Anwer, Assignment-2, Q-2</title>

<style>

    * {

        margin: 0;

        padding: 0;

        box-sizing: border-box;

    }

    body {

        font-family: Arial, sans-serif;

        background-color: #CBC3E3;

        text-align: center;

        padding: 20px;

    }

    .product-row {

        display: flex;

        justify-content: space-around;

        margin-top: 20px;

    }

    .product-container {

        width: 400px;

        padding: 20px;

        border: 10px solid #800080;

        margin: 15px;

        background-color: #FAF9F6;
```

```

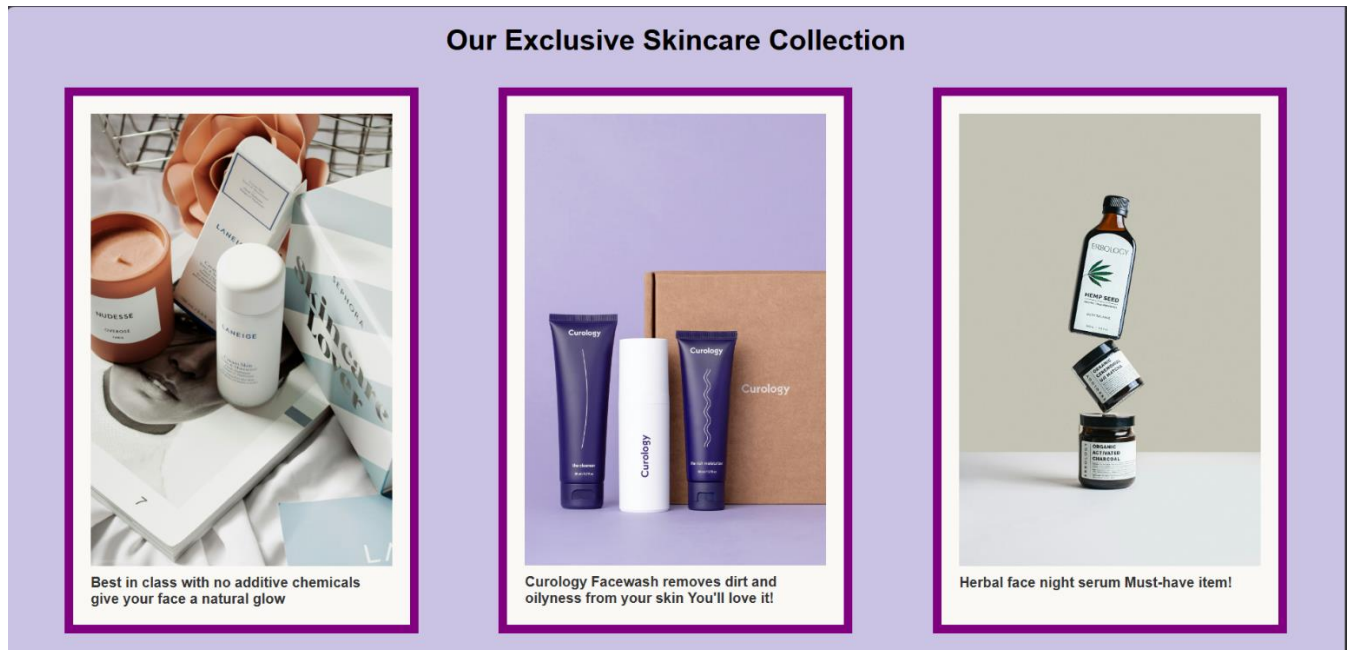
        text-align: left;
    }
.product-image {
    width: 100%;
    height: auto;
}
.product-container p {
    font-size: 16px;
    color: #333;
    margin-top: 10px;
}
</style>
</head>
<body>
<h1>Our Exclusive Skincare Collection</h1>
<div class="product-row">
    <div class="product-container">
        
        <p><b>Best in class with no additive chemicals give your face a natural glow</b></p>
    </div>
    <div class="product-container">
        
        <p><b>Curology Facewash removes dirt and oiliness from your skin You'll love it!</b></p>
    </div>
    <div class="product-container">
        
        <p><b>Herbal face night serum Must-have item!</b></p>
    </div>
</div>

</body>

```

</html>

OUTPUT:-



Q3. Add a <div> element and an image element. Write "My Special Div" as inline text inside the <div> like <div>My Special Div</div>. Change the text color of the <div> when the user moves the mouse over the image, and change it back when the user moves the mouse out of the image.

CODE:-

<html>

<head>

<title>Ahab Anwer, Assignment-2, Q-3</title>

<style>

body {

font-family: Arial, sans-serif;

text-align: center;

}

#specialDiv {

font-size: 24px;

color: black;

```

        margin: 20px 0;

        transition: color 0.3s ease;
    }

.hover-image {
    width: 1080px;
    height: 600px;
    cursor: pointer;
    box-shadow: 0px 6px 13px 1px rgba(120, 120, 120, 0.7);
}

.hover-image:hover + #specialDiv {
    color: #e46400;
}
</style>
</head>
<body>
    
    <div id="specialDiv"><b>My Special Div</b></div>

</body>
</html>

```

OUTPUT:-



My Special Div

Q4. Add an image as the background of a <div> element and change the image source when the user hovers the mouse over the image. In other words, when the user moves the mouse pointer over the image, the background image should change.

CODE:-

```
<html >
<head>
  <title>Ahab Anwer, Assignment-2, Q-4</title>
  <style>
    body{
      text-align:center;
      font-family:arial;
    }
    .imageDiv {
      width: 1080px;
      height: 600px;
      background-image: url('autumn.jpeg');
      background-size: cover;
      background-position: center;
      border: 2px solid #ccc;
      margin: 50px auto;
      box-shadow:0px 6px 13px 1px rgba(120,120,120,0.7);
    }

    /* Change background image on hover */
    .imageDiv:hover {
      background-image: url('snow.jpg');
    }
  </style>
</head>
<body>
  <h2>Image change</h2>
```



```
<div class="imageDiv"></div>
```

```
</body>
```

```
</html>
```

OUTPUT:-

Image change



Image change



Q5. Create an unordered list using the SOA Logo image as the list marker by applying the

list-style-image property with proper padding, background-size, and positioning for correct alignment. Ensure the image is set to no-repeat. Set the font of the unordered list text to the sans-serif font family.

CODE:-

```
<html>
<head>
  <title>Ahab Anwer, Assignment-2, Q-5</title>
  <style>
    body{
      font-family:arial;
    }
    ul {
      list-style-image: url('soa4.jpg');
      padding-left: 60px;
      font-family: sans-serif;
      background-size: 25px 25px;
      background-repeat: no-repeat;
    }
    li {
      padding-left: 10px;
      background-size: 25px;
      line-height: 1.6;
      vertical-align: middle;
    }
  </style>
</head>
<body>
<h2>SOA Logo List</h2>
<ul>
  <li>SOA offers a range of engineering courses.</li>
  <br>
```

```
<li>It is located in Bhubaneswar, Odisha.</li>

<br>

<li>SOA is ranked among the top private universities in India.</li>

<br>

<li>The university focuses on research and new innovation.</li>

</ul>
```

```
</body>
```

```
</html>
```

OUTPUT:-

SOA Logo List



SOA offers a range of engineering courses.



It is located in Bhubaneswar, Odisha.



SOA is ranked among the top private universities in India.



The university focuses on research and new innovation.

Q6. Create a webpage that displays an HTML table. Apply CSS styles (such as border, border-collapse, width, height, padding, etc.) to enhance its appearance. Additionally, set a background color for the 1st, 4th, 7th, 10th, and every third row thereafter.

CODE:-

```
<html >
```

```
<head>
```

```
  <title>Ahab Anwer,Assignment-2,Q-6</title>
```

```
<style>
```

```
  body {
```

```
    font-family: Arial, sans-serif;
```

```
    background-color: #f0f0f0;
```

```
    text-align: center;
```

```

    }
h1 {
    color: #333;
}
table {
    width: 80%;
    margin: 20px auto;
    border-collapse: collapse;
}
th, td {
    border: 1px solid #666;
    padding: 10px;
    text-align: center;
}
th{background-color:#36013f;
    color:#FEFCF2;
}
tr:nth-child(3n+2) {
    background-color: #8D6298;
}
</style>
</head>
<body>
<h1>Column Design</h1>
<table>
<tr>
<th>Name</th>
<th>Age</th>
<th>Branch</th>
<th>Course</th>
</tr>

```

```

<tr><td>Ahab Anwer</td><td>19</td><td>CSE</td><td>B.Tech</td></tr>
<tr><td>Snehashish Roy</td><td>19</td><td>CSE</td><td>BCA</td></tr>
<tr><td>Aaditya Hirday</td><td>19</td><td>CSE</td><td>BCA</td></tr>
<tr><td>Mayank Singh</td><td>20</td><td>CSE</td><td>BCA</td></tr>
<tr><td>Majid Khan</td><td>21</td><td>CyberSecurity</td><td>B.Tech</td></tr>
<tr><td>Riju Nandi</td><td>19</td><td>CSE</td><td>B.Tech</td></tr>
<tr><td>Jayanto Roy</td><td>22</td><td>ECE</td><td>B.Tech</td></tr>
<tr><td>Masqur Hussain</td><td>21</td><td>CSE</td><td>BCA</td></tr>
<tr><td>Chinmay</td><td>19</td><td>CSE</td><td>B.Tech</td></tr>
<tr><td>Shivam Kumar Singh</td><td>19</td><td>CSE</td><td>B.Tech</td></tr>
</table>
</body>
</html>

```

OUTPUT:-

Column Design			
Name	Age	Branch	Course
Ahab Anwer	19	CSE	B.Tech
Snehashish Roy	19	CSE	BCA
Aaditya Hirday	19	CSE	BCA
Mayank Singh	20	CSE	BCA
Majid Khan	21	CyberSecurity	B.Tech
Riju Nandi	19	CSE	B.Tech
Jayanto Roy	22	ECE	B.Tech
Masqur Hussain	21	CSE	BCA
Chinmay	19	CSE	B.Tech
Shivam Kumar Singh	19	CSE	B.Tech

Q7. Create a vertical menu bar that sticks to either the left or right side of the page. Additionally, make the menu bar fixed so that it remains in the same position even when the user scrolls down the page. (To add a scrollbar to the page, you can simulate longer content by adding padding at the bottom of the page using the div element.)

CODE:-

```

<html>
<head>

```

```
<title>Ahab Anwer,Assignment-2,Q-7</title>
```

```
<style>
```

```
body {
```

```
    font-family: Arial, sans-serif;
```

```
    margin: 0;
```

```
padding: 0;
```

```
    background-color: #f0f0f0;
```

```
}
```

```
.vertical-menu {
```

```
    width: 200px;
```

```
    height: 100%;
```

```
    position: fixed;
```

```
    top: 0;
```

```
    left: 0;
```

```
    background-color: #333;
```

```
    overflow: auto;
```

```
}
```

```
.vertical-menu a {
```

```
    display: block;
```

```
    color: white;
```

```
    padding: 15px;
```

```
    text-decoration: none;
```

```
    text-align: center;
```

```
}
```

```
.vertical-menu a:hover {
```

```
    background-color: #575757;
```

```
}
```

```
.vertical-menu a.active {
```

```
    background-color: #04AA6D;
```

```
}
```

```
.content {
```

```

        margin-left: 220px;

        padding: 20px;
    }

.content .long-content {
    height: 1500px;
    padding-bottom: 50px;
}

</style>
</head>
<body>
<div class="vertical-menu">
    <a href="#" class="active">Home</a>
    <a href="#">About</a>
    <a href="#">Hobbies</a>
    <a href="#">Portfolio</a>
    <a href="#">Contact</a>
</div>
<div class="content">
    <h1>Welcome to My Webpage</h1>

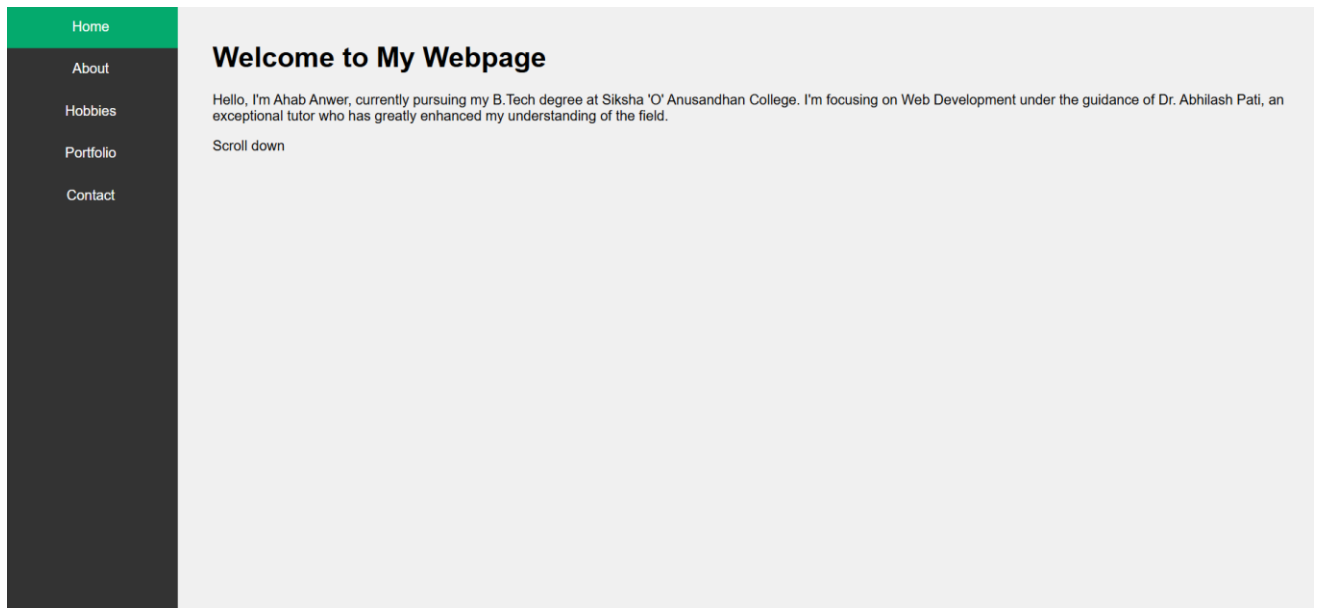
    <p>Hello, I'm Ahab Anwer, currently pursuing my B.Tech degree at Siksha 'O' Anusandhan
    College. I'm focusing on Web Development under the guidance of Dr. Abhilash Pati, an exceptional
    tutor who has greatly enhanced my understanding of the field. </p>

    <div class="long-content">
        <p>Scroll down </p>
    </div>
</div>

</body>
</html>

```

OUTPUT:-



Q8. Create a page having image with horizontal repetition, a horizontal navigation bar with hover effect and sticky position, and some style text. Image encircled with border and outline of different style, width, and color. Increase the page height for the scroll effect

CODE:-

```
<html>
```

```
<head>
```

```
  <title>Ahab Anwer,Assignmnet-2,Q-8</title>
```

```
<style>
```

```
  body {
```

```
    font-family: Arial, sans-serif;
```

```
    margin: 0;
```

```
    padding: 0;
```

```
    background-color: #f4f4f9;
```

```
  }
```

```
  .navbar {
```

```
    background-color: #333;
```

```
    position: sticky;
```

```
    top: 0;
```

```
    width: 100%;
```

```
    display: flex;
```



```
justify-content: center;

padding: 10px 0;

z-index: 1000;
}
```

```
.navbar a {

padding: 14px 20px;

text-decoration: none;

color: white;

text-align: center;

font-size: 17px;

margin: 0 10px;
}
```

```
.navbar a:hover {

background-color: #575757;

color: white;
}
```

```
.image-container {

background: url('ITER1.jpg') repeat-x;

padding: 50px 0;

text-align: center;

margin-top: 20px;
}
```

```
.image-container img {

border: 5px solid #04AA6D;

outline: 10px dashed #ff6347;

border-radius: 50%;
}
```

```
.styled-text {

margin: 50px;
```

```
        text-align: justify;

        font-size: 18px;

        line-height: 1.8;

        color: #333;
    }

    .long-content {

        height: 1500px;

    }

</style>
</head>
<body>

    <div class="navbar">

        <a href="#">Home</a>

        <a href="#">About</a>

        <a href="#">Courses</a>

        <a href="#">Contact</a>

    </div>

    <div class="image-container">

    </div>

    <div class="styled-text">

        <p>Siksha 'O' Anusandhan (SOA) University, based in Bhubaneswar, Odisha, India, is a
prestigious private university known for its excellence in academic programs, research, and
innovation. Established in 1997, it initially began as an engineering college but has since evolved into
a multidisciplinary institution offering a broad range of undergraduate, postgraduate, and doctoral
programs across various fields.

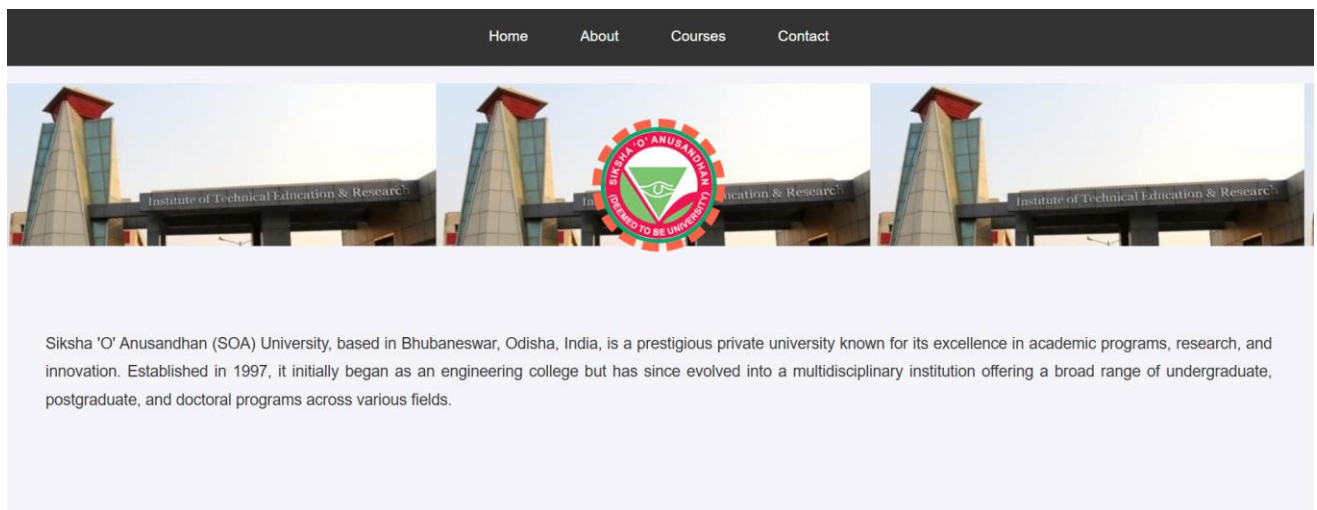
        </p>

    </div>

    <div class="long-content"></div>

</body>
</html>
```

OUTPUT:-



Q9. Add a dropdown element with multiple values. Style each dropdown entry differently, such as using different fonts, colors, sizes, etc. When the user hovers over an element, a dropdown box should appear in that area of the webpage.

CODE:-

```
<html >
```

```
<head>
```

```
    <title>Ahab Anwer,Assignment-2,Q-9</title>
```

```
<style>
```

```
    body {
```

```
        font-family: Arial, sans-serif;
```

```
        margin: 0;
```

```
        padding: 0;
```

```
        background-color: #f4f4f9;
```

```
        text-align: center;
```

```
    }
```

```
.dropdown {
```

```
    position: relative;
```

```
    display: inline-block;
```

```
    margin-top: 50px;
```

```
}
```

```
.dropdown-button {  
    background-color: #333;  
    color: white;  
    padding: 15px;  
    font-size: 16px;  
    border: none;  
    cursor: pointer;  
    border-radius: 5px;  
}  
  
.dropdown-content {  
    display: none;  
    position: absolute;  
    background-color: #f1f1f1;  
    min-width: 160px;  
    box-shadow: 0px 8px 16px rgba(0,0,0,0.2);  
    z-index: 1;  
}  
  
.dropdown:hover .dropdown-content {  
    display: block;  
}  
  
.dropdown-content a {  
    padding: 12px 16px;  
    display: block;  
    text-decoration: none;  
    font-size: 16px;  
    color: #333;  
}  
  
.dropdown-content a:nth-child(1) {  
    font-family: 'Courier New', Courier, monospace;  
    color: #FF6347;  
    font-size: 18px;
```

```

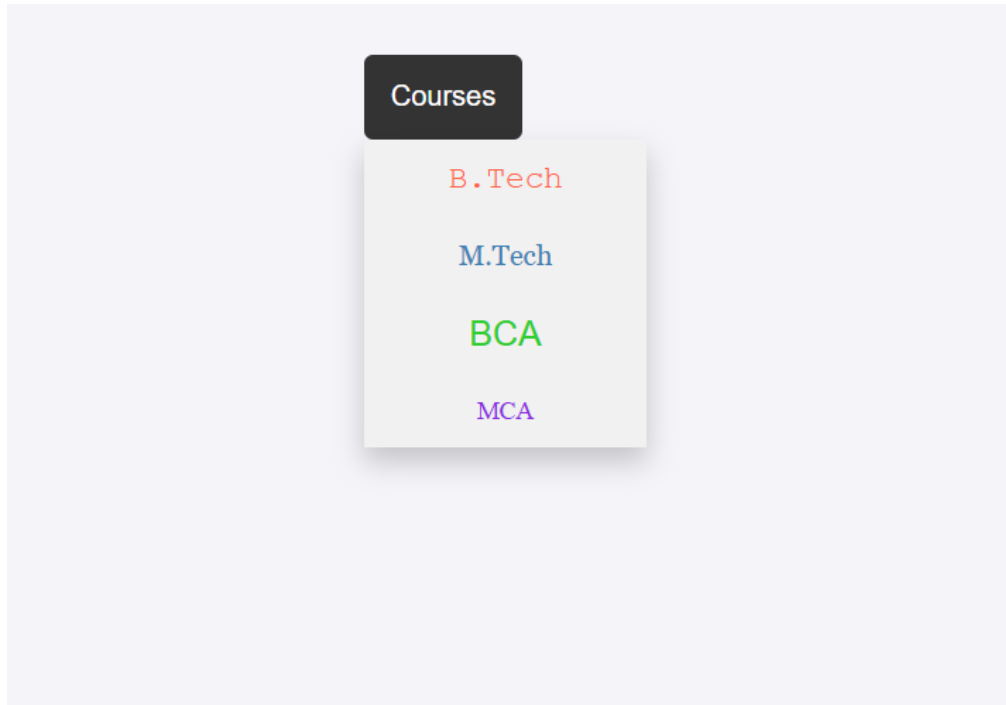
    }
.dropdown-content a:nth-child(2) {
    font-family: 'Georgia', serif;
    color: #4682B4;
    font-size: 16px;
}
.dropdown-content a:nth-child(3) {
    font-family: 'Arial', sans-serif;
    color: #32CD32;
    font-size: 20px;
}
.dropdown-content a:nth-child(4) {
    font-family: 'Times New Roman', Times, serif;
    color: #8A2BE2;
    font-size: 14px;
}
.dropdown-content a:hover {
    background-color: #ddd;
}
</style>
</head>
<body>
<div class="dropdown">
    <button class="dropdown-button">Courses</button>
    <div class="dropdown-content">
        <a href="#">B.Tech</a>
        <a href="#">M.Tech</a>
        <a href="#">BCA</a>
        <a href="#">MCA</a>
    </div>
</div>

```

</body>

</html>

OUTPUT:-



Q10. Create a registration page that features the SOA logo centered on the page, along with form elements including text input fields, a password field, an email field, a radio button, a dropdown list, and a submit button. Additionally, apply CSS to style each form element for a better appearance.

CODE:-

<html>

<head>

<title>SOA Registration Form</title>

<style>

/* Reset some default styling */

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

body { font-family: Arial, sans-serif; background-color: #f5f5f5; display: flex; justify-content: center; align-items: center;

height: 100vh;}

/* Centering the form container */

```

.container { background-color: white; padding: 30px; border-radius: 10px; box-shadow: 0 8px 16px
rgba(0, 0, 0, 0.2);

max-width: 400px; width: 100%; text-align: center; }

h2 { font-size: 24px; margin-bottom: 10px; }

/* SOA Logo */

.logo{

display: block; margin: 0 auto 20px;}

/* Form styling */

form { display: flex; flex-direction: column; gap: 15px; }

input[type="text"], input[type="password"], input[type="email"], select { width: 100%; padding:
12px; border-radius: 5px;

border: 1px solid #ccc; font-size: 16px; }

input[type="password"]:invalid {border-color: red; }

/* Styling the radio buttons */

.radio-group { display: flex; justify-content: center; gap: 20px; font-size: 16px; }

/* Submit and Clear Buttons */

.button-group { display: flex; justify-content: space-between;}

input[type="submit"], input[type="reset"] { background-color: #4CAF50; color: white; padding: 12px;
border: none;

border-radius: 5px; cursor: pointer; font-size: 16px; width: 48%;}

input[type="submit"]:hover, input[type="reset"]:hover { background-color: yellow; }

input[type="reset"] { background-color: #f44336; }

/* Styling the dropdown list */

select { background-color: white;}

.hint {font-size: 12px; color: #555; text-align: left;}

</style> </head>

<body>

```



```
<!-- Container for registration form -->

<div class="container">

<!-- Heading for Registration Form -->

<h2>SOA Registration Form</h2>

<!-- SOA Logo -->




<!-- Registration Form -->

<form action="text1.html" method="POST">


<!-- Text Input for Name (No numbers allowed) -->

<input type="text" name="name" placeholder="Full Name" pattern="[A-Za-z\s]+" title="Only letters
and spaces allowed" required>

<div class="hint">Hint: Only letters and spaces allowed in the name.</div>


<!-- Email Input -->

<input type="email" name="email" placeholder="Email" title="Please enter a valid email" required>

<div class="hint">Hint: Please enter a valid email address (e.g., name@example.com).</div>


<!-- Password Input -->

<input type="password" name="password" placeholder="Password" pattern="(?!.*\d)(?!.*[a-
z])(?!.*[A-Z])(?!.*[@#$$%^&+=]).{8,}"
title="Password must contain at least 8 characters, including 1 uppercase, 1 lowercase, 1 digit, and 1
special character" required>

<div class="hint">Hint: Must be at least 8 characters with at least 1 uppercase letter, 1 lowercase
letter, 1 digit, and 1
special symbol.</div>


<!-- Confirm Password -->

<input type="password" name="confirm_password" placeholder="Confirm Password" required>

<div class="hint">Hint: Confirm password must match the entered password.</div>
```

```
<!-- Radio Button Group -->
<div class="radio-group">
<label> <input type="radio" name="gender" value="male" required> Male </label>
<label> <input type="radio" name="gender" value="female" required> Female </label>
<label> <input type="radio" name="gender" value="Others" required> Others </label>
</div>
```

```
<!-- Dropdown List for Course Selection -->
<select name="course" required>
<option value="" disabled selected>Select Course</option>
<option value="B.Tech.">B.Tech.</option>
<option value="M.Tech.">M.Tech.</option>
<option value="BCA">BCA</option>
<option value="MCA">MCA</option>
<option value="Ph.D.">Ph.D.</option>
</select>
```

```
<!-- Button Group (Submit and Clear Buttons) -->
<div class="button-group">
<input type="submit" value="Register">
<input type="reset" value="Clear">
</div>
</form>
</div>
</body>
</html>
```

CODE-2:-

```
<html >
<head>
    <title>Ahab Anwer, Assignment-2, Q-10</title>
<style>
```

```
body {
  font-family: Arial, sans-serif;
  background-color: #f5f5f5;
  display: flex;
  justify-content: center;
  align-items: center;
  height: 100vh;
  text-align: center;
}

.message-container {
  background-color: white;
  padding: 40px;
  border-radius: 10px;
  box-shadow: 0 8px 16px rgba(0, 0, 0, 0.2);
  max-width: 400px;
  width: 100%;
}

h2 {
  color: #4CAF50;
}

p {
  font-size: 16px;
}

</style>
</head>
<body>

<!-- Confirmation message container -->
```

```
<div class="message-container">

  <h2>Registration Done Successfully!</h2>

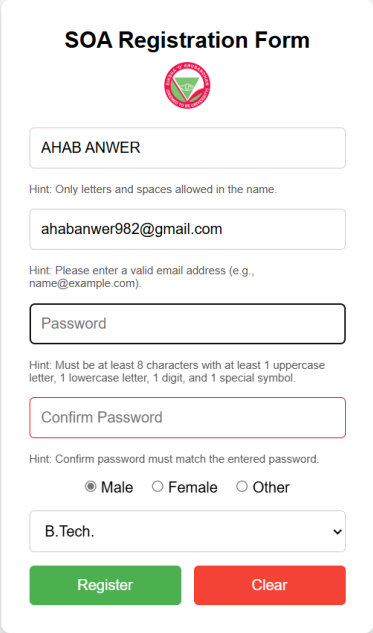
  <p>Thank you for registering with SOA.</p>

</div>
```

```
</body>
```

```
</html>
```

OUTPUT:-



The image shows a web form titled "SOA Registration Form" with a circular logo at the top. The form contains several input fields and buttons. The first input field contains the text "AHAB ANWER". Below it is a hint: "Hint: Only letters and spaces allowed in the name." The second input field contains the email address "ahabanwer982@gmail.com". Below it is a hint: "Hint: Please enter a valid email address (e.g., name@example.com)." The third input field is labeled "Password". Below it is a hint: "Hint: Must be at least 8 characters with at least 1 uppercase letter, 1 lowercase letter, 1 digit, and 1 special symbol." The fourth input field is labeled "Confirm Password" and has a red border. Below it is a hint: "Hint: Confirm password must match the entered password." There are three radio buttons labeled "Male", "Female", and "Other", with "Male" selected. Below the radio buttons is a dropdown menu showing "B.Tech." with a downward arrow. At the bottom of the form are two buttons: a green "Register" button and a red "Clear" button.

Registration Done Successfully!

Thank you for registering with SOA.