

ASSIGNMENT-2

(css).

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

Ans. In css file:

```
body{  
    background-color: lightcoral;  
}  
  
h5{  
    color: pink;  
}  
  
p{  
    color: cyan;  
    font-size: 20px;  
}
```

In HTML file:

```
<!DOCTYPE html>
<html>
<head>
<style>
#a1 {
    text-align: center;
    font-weight: 70px;
}
#a2 {
    text-align: right;
    font-weight: 10px;
}
</style>
<link rel="stylesheet" type="text/css" href=
'a1.css'>
</head>
<body>
<h1 style="color: white; font-size: 90px;">
    This is heading 1 </h1>
<h2 style="color: white; font-size: 90px;">
    This is heading 2 </h2>
<h3 style="color: id="a1">This is heading 3
    </h3>
<h4 id="a2"> This is heading 4 </h4>
<h5> This is heading 5 </h5>
```

```
<p class="styling"> This is paragraph </p>  
</body>  
</html>
```

Output:

Q2. Imagine you are designing a webpage for a product display. You want to style the product container using CSS Box Model.

The product container should have a content of width 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 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.

Ans.

```
<!DOCTYPE html>
<html>
  <head>
    <style>
      .product {
        width: 400px;
        padding: 20px;
        border: 1px solid black;
        margin: 15px;
        box-sizing: border-box;
        text-align: center;
      }
      .product img {
        width: 100%;
      }
      .container {
        display: flex;
        flex-direction: row;
      }
    </style> </head>
  <body>
    <div class="container">
      <div class="product">
```

```

<p class="container"> This is the
description for product 1 </p>
</div>
<div class="product">

<p class="container"> This is
the description for Product 2
</p>
</div>
<div class="product">

<p class="product container">
This is the description for product
3" </p>
</div>
</div>
</body>
</html>
```

Output:

Q3. Add a `<div>` element and an `image` element. Write "My special div" as ~~infinate~~ 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 ~~of~~ out of the image.

Ans.

```
<!DOCTYPE html>
<html><head>
  <style>
    #a1 {
      color: blue;
    }
    .container:hover #a1 {
      color: red;
    }
  </style>
</head>
```

```
<body>
  <div class="container">
    <div id="a1">My Special Div</div>
    
  </div>
</body>
</html>
```

Output :

Q4. Add an image as background of a `<div>` element and change the image source when the mouse over the image, and change it back when the user moves the mouse out of the image.

Ans.

```
<!DOCTYPE html>
<html>
  <head>
    <style>
```

```
.image {  
    width: 300px;  
    height: 200px;  
    background-image: url("https://  
    -----");  
    background-size: cover;  
    background-position: center;  
}  
.image:hover {  
    background-image:  
    url("-----");  
}
```

</style>

</head>

<body>

<div class="image"></div>

</body>

</html>

Output:

Q5. Create an unordered list using the SOT logo Image as the list marker by applying the list-style-image property. Ensure proper padding, background-size, and positioning for correct alignment, and set the image to no-repeat. The font of the unordered list text should be set from the sans-serif font family.

Ans.

```
<!DOCTYPE html>
<html>
  <head>
    <style>
      <ul>
        margin: 100px;
        list-style-image: url("----")
        padding: 100px;
        font-family: sans-serif;
      </ul>
    </style>
  </head>
  <body>
    <ul>
      <li> This is list item 1 </li>
```

```
<ul> This is list item 2 </ul>
<ul> This is list item 3 </ul>
</ul>
</body>
</html>
```

Q6. Create a webpage that displays an HTML table. Apply CSS styles to enhance its appearance. Additionally, set a background color for the 1st, 4th, 7th, 10th and every third row thereafter.

Ans.

```
<!DOCTYPE html>
<html>
  <head>
    <title> Q6 </title>
  <style>
    tr :nth-child(odd) {
      background-color: pink;
    }
    table td {
      border: 5px solid plum;
      border-collapse: collapse;
      height: 10px;
      width: 10px;
    }
  </style>
```

```
</head>
<body>
<table>
  <thead>
    <th> Name </th>
    <th> Roll no </th>
    <th> Subject </th>
    <th> Marks </th>
    <th> Grade </th>
  </thead>
  <tbody>
    <tr>
      <td> 1 </td>
      <td> 1 </td>
      <td> A </td>
      <td> A </td>
      <td> A </td>
    </tr>
    <tr>
      <td> 2 </td>
      <td> 2 </td>
      <td> B </td>
      <td> B </td>
      <td> B </td>
    </tr>
  </tbody>
</table>
</body>
</html>
```

Q7. Create a vertical menubar that sticks to either left or right of the page. Additionally, make the menubar fixed so that it remains in the same position even when the user scrolls down the page.

Ans.

```
<!DOCTYPE html>
<html>
  <head>
    <style>
      ul {
        list-style-type: none;
        margin: 0;
        padding: 0;
        overflow: hidden;
        background-color: red;
        position: fixed;
        left: 0;
      }
      li {
        display: block;
      }
      li a {
        display: block;
        color: pink;
        padding: 12px 15px;
      }
    </style>
```

```
<body>
  <ul>
    <li><a href="#">Home </a></li>
    <li><a href="#">Services </a></li>
    <li><a href="#">About Us </a></li>
    <li><a href="#">Contact us </a></li>
  </ul>
  <div style="height:150px;"></div>
</body>
</html>
```

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

Ans.

```
<!DOCTYPE html>
<html>
  <head>
    <style>
      ul {
        list-style-type: none;
        margin: 0;
```

```
padding: 0;  
overflow: hidden;  
background-color: cyan;  
}  
  
ul li{  
    display: inline;  
}  
  
ul li a{  
    display: inline-block;  
    background-color: black;  
    color: white;  
    text-decoration: none;  
    padding: 10px;  
}  
  
ul li a:hover{  
    background-color: blue;  
}  
  
.repeat-image{  
    background-image: url("----");  
    background-repeat: repeat-x;  
    height: 800px;  
    width: 100%;  
    padding: 0;  
    margin: 0;  
}
```

• styled-image {

display: block;
border-radius: 50%;
border: 5px solid blue;
outline: 2px green;

}

• styled-text {

color: black;
text-align: center;
font-family: sans-serif;

}

<style>

</head>

<body>

Home
Services
About
Contact

<div class="repeat-image"></div>

<div class="styled-text"> This is styled

```
text. </div>
<div style="height: 150px;"> </div>
</body>
</html>
```

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 webpage.

Ans.

```
<!DOCTYPE html>
<html>
  <head>
    <style>
      .dropdown {
        position: relative;
        display: inline-block;
      }
      .dropdown-content {
        display: none;
        position: absolute;
        background-color: green;
        min-width: 100px;
        box-shadow: 0px 6px 12px 0px
                    rgba(250, 250, 250, 0);
      }
```

```
padding: 12px 6px;  
}  
  
.dropdown:hover .dropdown-content  
{  
    display: block;  
}  
  
</style>  
</head>  
<body>  
    <h2> Basic Dropdown </h2>  
    <p> Hover your cursor to see </p>  
    <div class = "dropdown">  
        <div class = "dropdown-content">  
            <p> Hi: </p>  
            <p> Hello </p>  
            <p> Bye </p>  
        </div>  
    </div>  
    </body>  
</html>
```

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

Ans.

```
<!DOCTYPE html>
<html>
  <head>
    <style>
      .soa{
        margin: 90px;
        align-items: center;
      }
      input:focus{
        border-color: #007bff;
      }
      .dropdown-content{
        display: none;
        position: absolute;
        background-color: green;
        min-width: 100px;
        box-shadow: 0px 6px 12px 0px rgba(250, 250, 0, 0.8);
        padding: 12px 16px;
      }
    </style>
  </head>
  <body>
    <div class="soa">
      <img alt="SOT Logo" style="width: 100px; height: auto; margin-bottom: 10px;">
      <form>
        <div>
          <label>First Name:</label>
          <input type="text" name="first_name" style="width: 200px; height: 30px; border-radius: 5px; border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;">
        </div>
        <div>
          <label>Last Name:</label>
          <input type="text" name="last_name" style="width: 200px; height: 30px; border-radius: 5px; border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;">
        </div>
        <div>
          <label>Email:</label>
          <input type="email" name="email" style="width: 200px; height: 30px; border-radius: 5px; border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;">
        </div>
        <div>
          <label>Phone:</label>
          <input type="tel" name="phone" style="width: 200px; height: 30px; border-radius: 5px; border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;">
        </div>
        <div>
          <label>Address:</label>
          <input type="text" name="address" style="width: 200px; height: 30px; border-radius: 5px; border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;">
        </div>
        <div>
          <label>City:</label>
          <input type="text" name="city" style="width: 200px; height: 30px; border-radius: 5px; border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;">
        </div>
        <div>
          <label>State:</label>
          <input type="text" name="state" style="width: 200px; height: 30px; border-radius: 5px; border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;">
        </div>
        <div>
          <label>Country:</label>
          <input type="text" name="country" style="width: 200px; height: 30px; border-radius: 5px; border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;">
        </div>
        <div>
          <label>Gender:</label>
          <input type="radio" name="gender" value="Male" style="width: 15px; height: 15px; border: 1px solid #ccc; border-radius: 50%; margin-right: 10px; vertical-align: middle; margin-bottom: 10px;" checked="checked"/>
          Male
          <input type="radio" name="gender" value="Female" style="width: 15px; height: 15px; border: 1px solid #ccc; border-radius: 50%; margin-right: 10px; vertical-align: middle; margin-bottom: 10px;"/>
          Female
        </div>
        <div>
          <label>Date of Birth:</label>
          <input type="date" name="dob" style="width: 200px; height: 30px; border-radius: 5px; border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;">
        </div>
        <div>
          <label>Education Level:</label>
          <input type="text" name="education_level" style="width: 200px; height: 30px; border-radius: 5px; border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;">
        </div>
        <div>
          <label>Experience:</label>
          <input type="text" name="experience" style="width: 200px; height: 30px; border-radius: 5px; border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;">
        </div>
        <div>
          <label>Skills:</label>
          <input type="text" name="skills" style="width: 200px; height: 30px; border-radius: 5px; border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;">
        </div>
        <div>
          <label>Hobbies:</label>
          <input type="text" name="hobbies" style="width: 200px; height: 30px; border-radius: 5px; border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;">
        </div>
        <div>
          <label>Interests:</label>
          <input type="text" name="interests" style="width: 200px; height: 30px; border-radius: 5px; border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;">
        </div>
        <div>
          <label>Profile Picture:</label>
          <input type="file" name="profile_picture" style="width: 200px; height: 30px; border-radius: 5px; border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;">
        </div>
        <div>
          <label>Password:</label>
          <input type="password" name="password" style="width: 200px; height: 30px; border-radius: 5px; border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;">
        </div>
        <div>
          <label>Confirm Password:</label>
          <input type="password" name="confirm_password" style="width: 200px; height: 30px; border-radius: 5px; border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;">
        </div>
        <div>
          <label>Terms and Conditions:</label>
          <input type="checkbox" name="terms_and_conditions" style="width: 15px; height: 15px; border: 1px solid #ccc; border-radius: 50%; margin-right: 10px; vertical-align: middle; margin-bottom: 10px;"/>
          I agree to the terms and conditions
        </div>
        <div>
          <input type="button" value="Register" style="width: 150px; height: 40px; background-color: #007bff; color: white; border: 1px solid #007bff; border-radius: 5px; font-weight: bold; font-size: 14px; padding: 10px; margin-top: 20px; cursor: pointer;">
        </div>
      </form>
    </div>
  </body>

```

```
    .dropdown:hover .dropdown-content
    {
        display: block;
    }

</style>
</head>
<body>
<form>
    <input type="text" name="name"
placeholder="fullname" required>
    <input type="password" name="password"
placeholder="Password" required>
    <input type="email" name="email"
placeholder="Email" required>

    <div class="radio-group">
        <input type="radio"
id="male" name="gender" value
="male" required>
        <span> Male </span>
        <input type="radio"
id="female" name="gender"
value="female" required>
        <span> Female </span>
    </div>
```

```
<div class="dropdown">
    <span> Dropdown! </span>
    <div class="dropdown-content">
        <p> Hi </p>
        <p> Hello </p>
        <p> Bye </p>
    </div>
</div>
<input type="submit" value="Register">
</form>
</body>
</html>
```