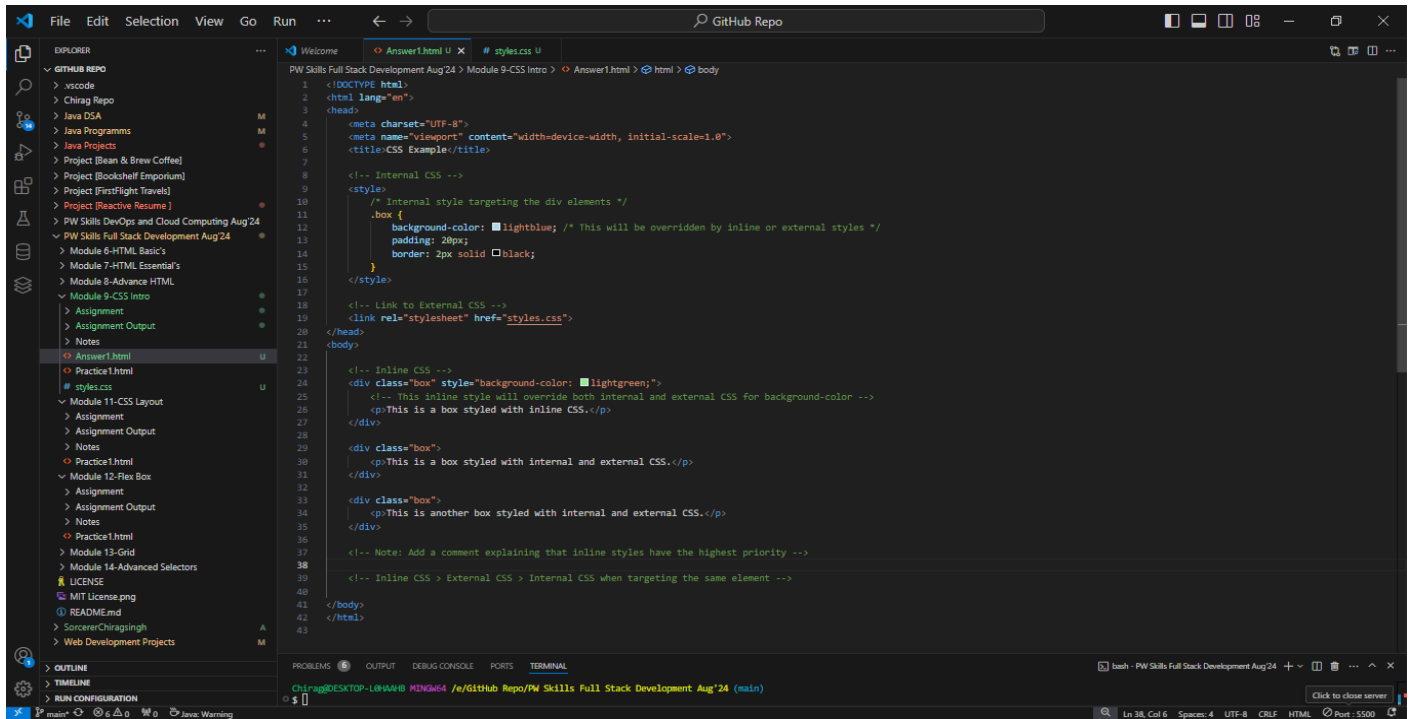
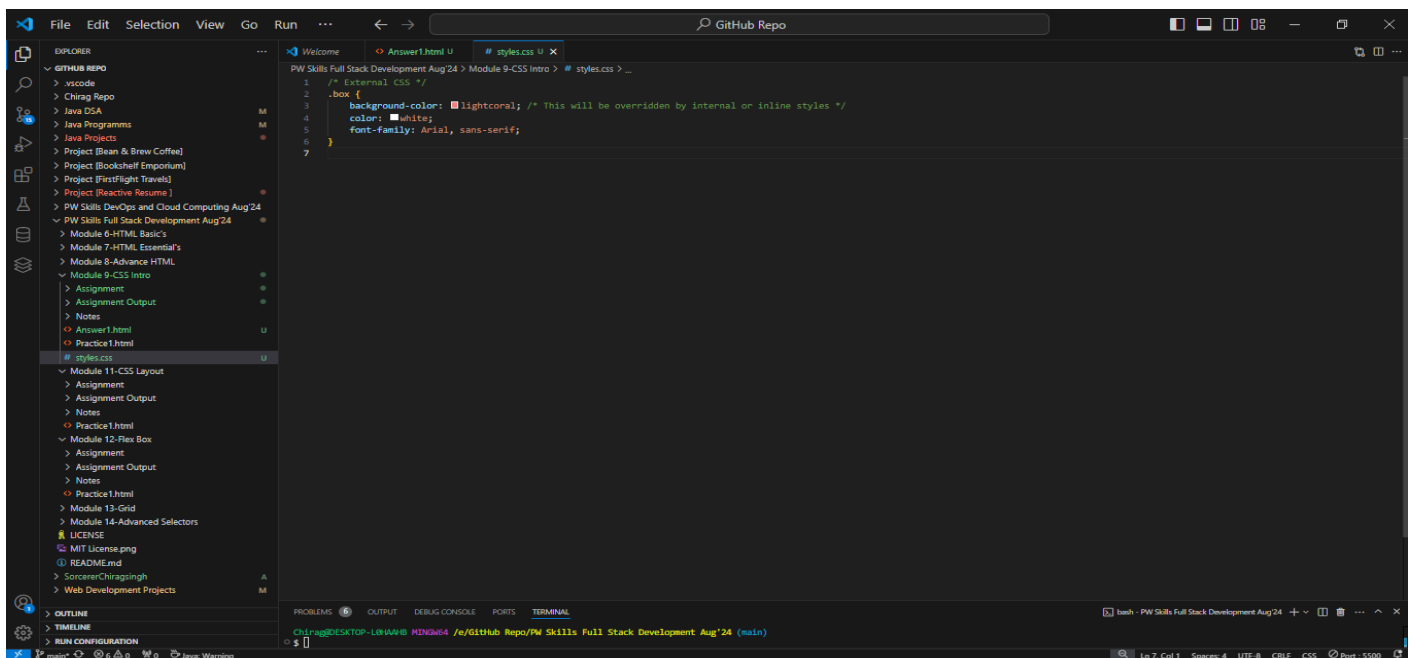


Module -9 Assignment

Q1.) Create a simple page with some div tags and show different ways to add CSS as well as what happens when you target the same elements with inline, internal, and external CSS. Also, utilize comments in the project where required.



```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>CSS Example</title>
7
8   <!-- Internal CSS -->
9   <style>
10    /* Internal style targeting the div elements */
11    .box {
12      background-color: lightblue; /* This will be overridden by inline or external styles */
13      padding: 20px;
14      border: 2px solid black;
15    }
16  </style>
17
18  <!-- Link to External CSS -->
19  <link rel="stylesheet" href="styles.css">
20 </head>
21 <body>
22
23  <!-- Inline CSS -->
24  <div class="box" style="background-color: lightgreen;">
25    <!-- This inline style will override both internal and external CSS for background-color -->
26    <p>This is a box styled with inline CSS.</p>
27  </div>
28
29  <div class="box">
30    <p>This is a box styled with internal and external CSS.</p>
31  </div>
32
33  <div class="box">
34    <p>This is another box styled with internal and external CSS.</p>
35  </div>
36
37  <!-- Note: Add a comment explaining that inline styles have the highest priority -->
38
39  <!-- Inline CSS > External CSS > Internal CSS when targeting the same element -->
40
41 </body>
42 </html>
```



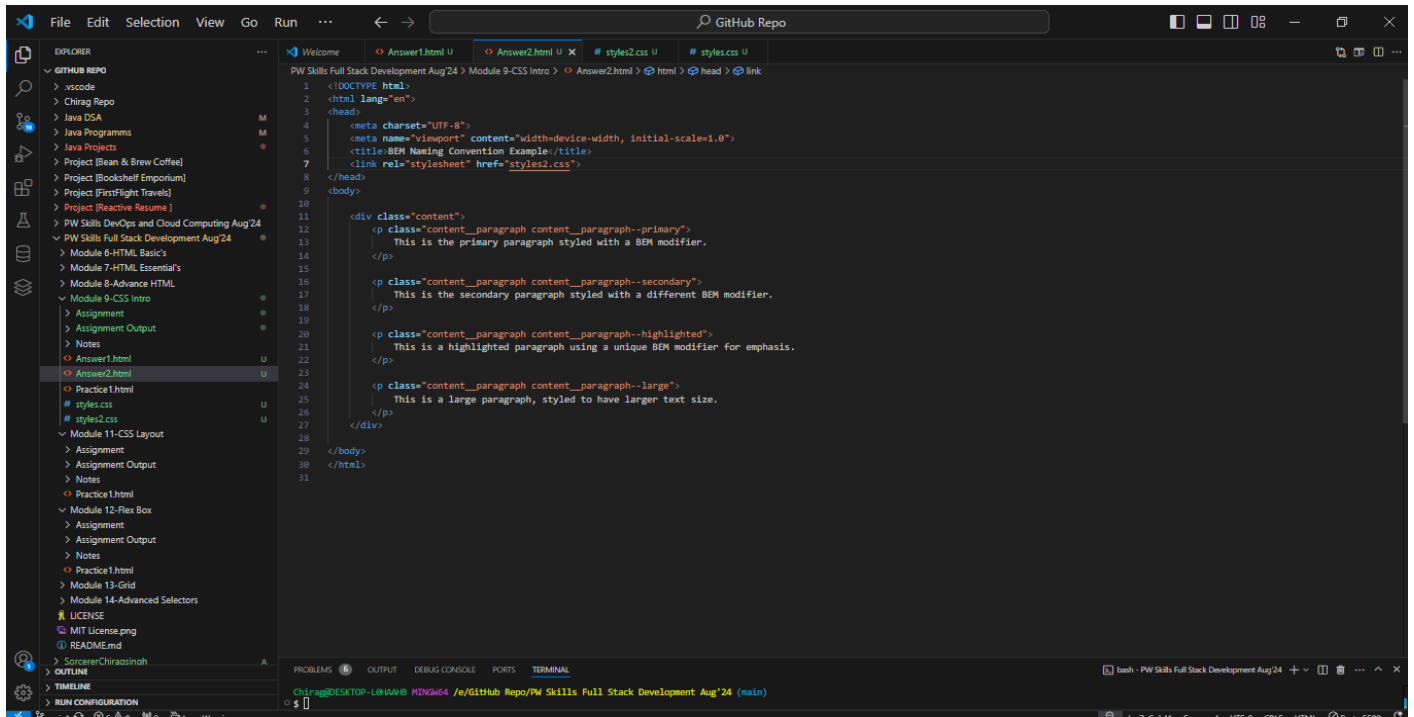
```
1 /* External CSS */
2
3 .box {
4   background-color: lightcoral; /* This will be overridden by internal or inline styles */
5   color: white;
6   font-family: Arial, sans-serif;
7 }
```

This is a box styled with inline CSS.

This is a box styled with internal and external CSS.

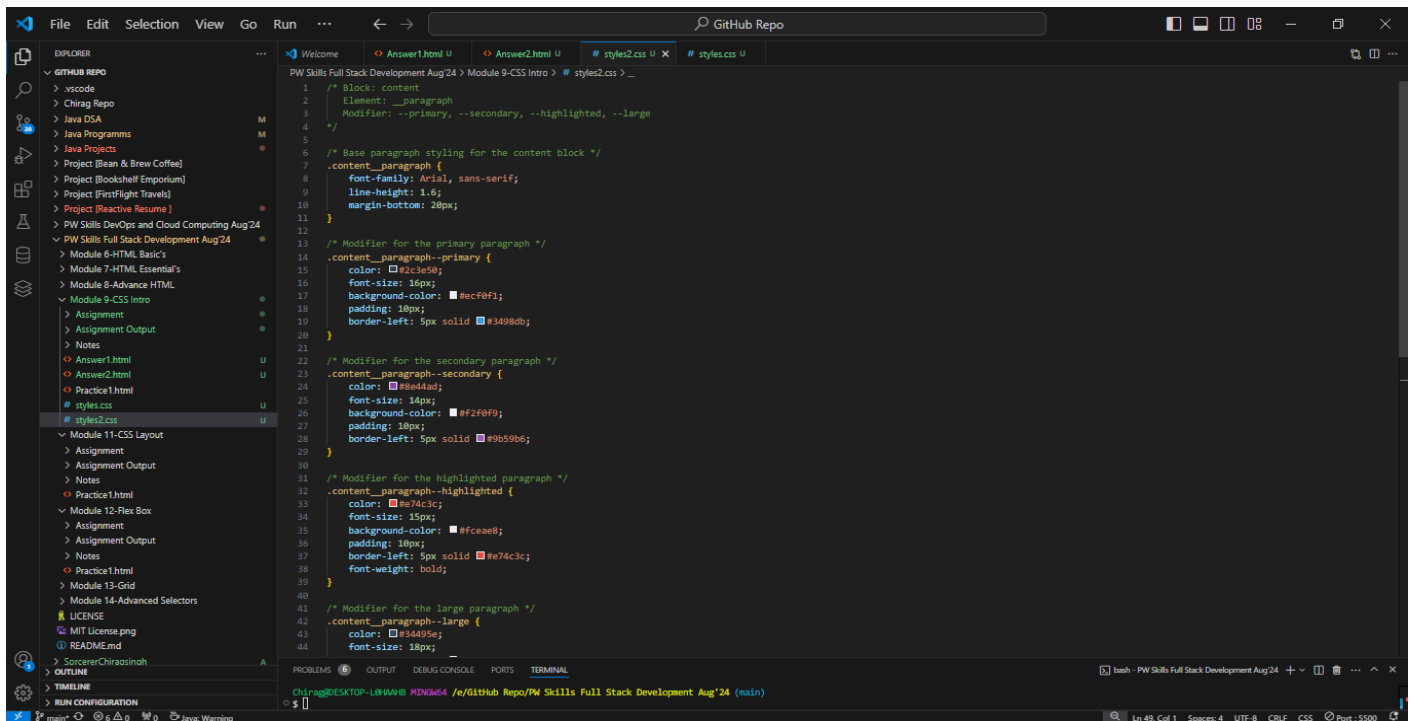
This is another box styled with internal and external CSS.

Q2.) Build an HTML page with multiple paragraphs, each assigned a unique class name. Write CSS rules using class selectors to apply distinct styling to each paragraph. Follow the BEM naming convention and explain how you've named the classes.



The screenshot shows a VS Code editor with a file explorer on the left and a code editor on the right. The file explorer shows a project structure with a folder named 'PW Skills Full Stack Development Aug'24'. The code editor shows the following HTML code:

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>BEM Naming Convention Example</title>
7   <link rel="stylesheet" href="styles2.css">
8 </head>
9 <body>
10
11   <div class="content">
12     <p class="content__paragraph content__paragraph--primary">
13       This is the primary paragraph styled with a BEM modifier.
14     </p>
15
16     <p class="content__paragraph content__paragraph--secondary">
17       This is the secondary paragraph styled with a different BEM modifier.
18     </p>
19
20     <p class="content__paragraph content__paragraph--highlighted">
21       This is a highlighted paragraph using a unique BEM modifier for emphasis.
22     </p>
23
24     <p class="content__paragraph content__paragraph--large">
25       This is a large paragraph, styled to have larger text size.
26     </p>
27   </div>
28
29 </body>
30 </html>
```



The screenshot shows a VS Code editor with a file explorer on the left and a code editor on the right. The file explorer shows a project structure with a folder named 'PW Skills Full Stack Development Aug'24'. The code editor shows the following CSS code:

```
1 /* Block: content
2 Element: __paragraph
3 Modifier: --primary, --secondary, --highlighted, --large
4 */
5
6 /* Base paragraph styling for the content block */
7 .content__paragraph {
8   font-family: Arial, sans-serif;
9   line-height: 1.6;
10  margin-bottom: 20px;
11 }
12
13 /* Modifier for the primary paragraph */
14 .content__paragraph--primary {
15   color: #2c3e50;
16   font-size: 16px;
17   background-color: #f9f9f9;
18   padding: 10px;
19   border-left: 5px solid #3498db;
20 }
21
22 /* Modifier for the secondary paragraph */
23 .content__paragraph--secondary {
24   color: #8e44ad;
25   font-size: 14px;
26   background-color: #f2f2f2;
27   padding: 10px;
28   border-left: 5px solid #9b59b6;
29 }
30
31 /* Modifier for the highlighted paragraph */
32 .content__paragraph--highlighted {
33   color: #e74c3c;
34   font-size: 15px;
35   background-color: #fce4ec;
36   padding: 10px;
37   border-left: 5px solid #e74c3c;
38   font-weight: bold;
39 }
40
41 /* Modifier for the large paragraph */
42 .content__paragraph--large {
43   color: #34495e;
44   font-size: 18px;
```

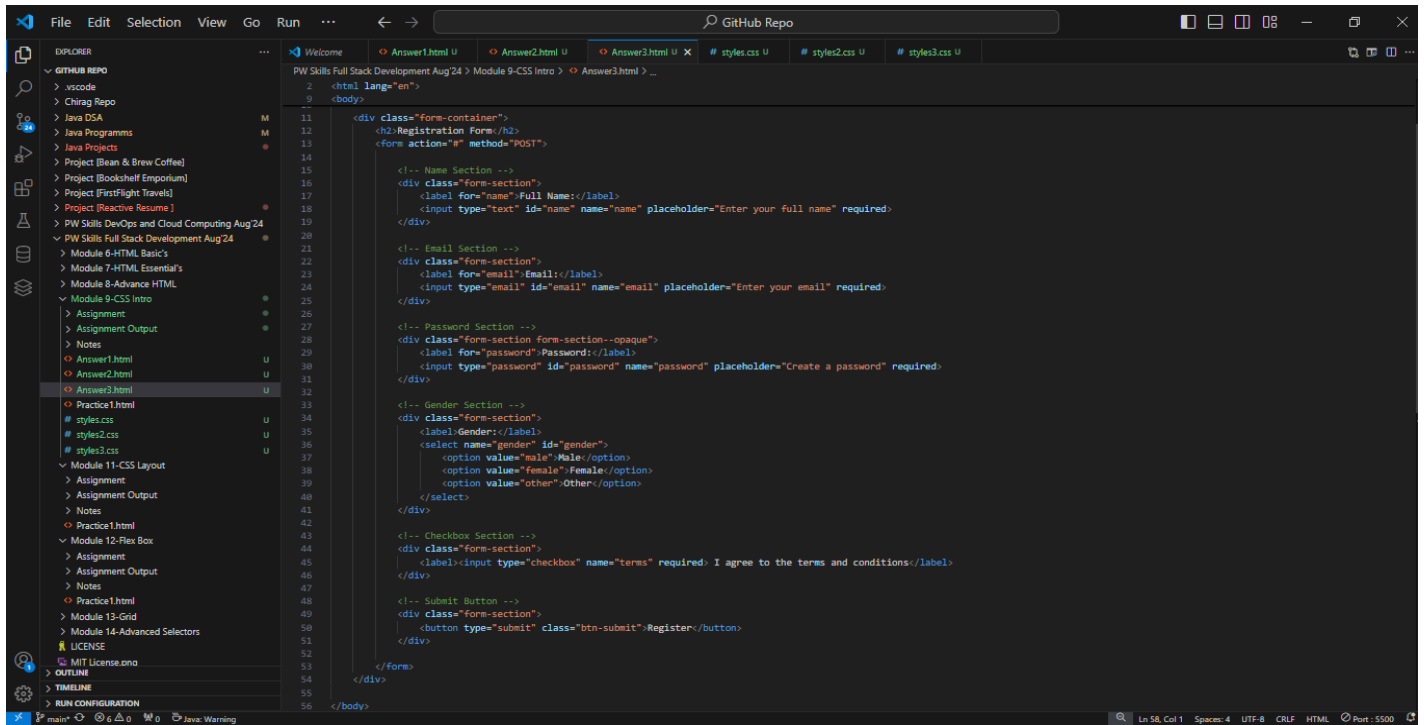
This is the primary paragraph styled with a BEM modifier.

This is the secondary paragraph styled with a different BEM modifier.

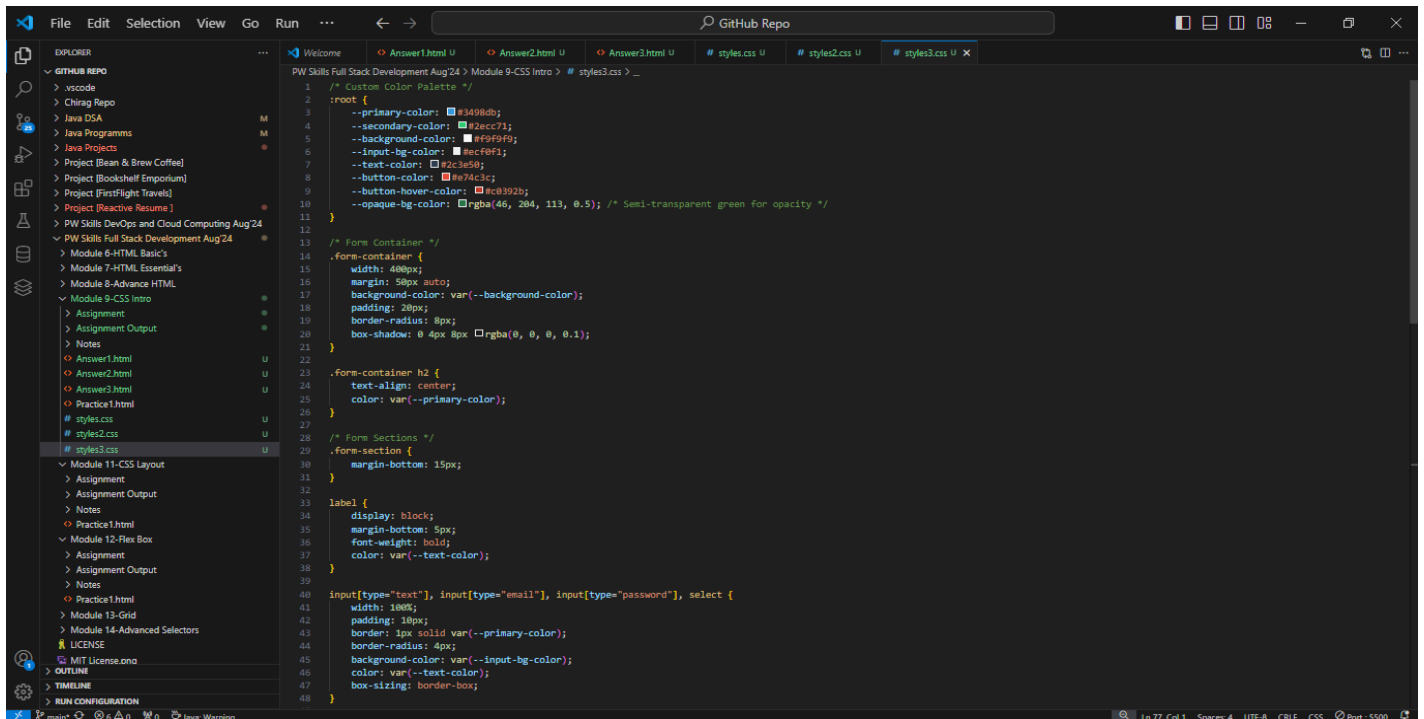
This is a highlighted paragraph using a unique BEM modifier for emphasis.

This is a large paragraph, styled to have larger text size.

Q3.) Develop an HTML form with various input elements. Use CSS to style the form, including setting background colors for input fields. Create a custom color palette for the form elements, and demonstrate how to apply opacity to one of the form sections.



```
1 <html lang="en">
2 <body>
3
4   <div class="form-container">
5     <h2>Registration Form</h2>
6     <form action="#" method="POST">
7
8       <!-- Name Section -->
9       <div class="form-section">
10         <label for="name">Full Name:</label>
11         <input type="text" id="name" name="name" placeholder="Enter your full name" required>
12       </div>
13
14       <!-- Email Section -->
15       <div class="form-section">
16         <label for="email">Email:</label>
17         <input type="email" id="email" name="email" placeholder="Enter your email" required>
18       </div>
19
20       <!-- Password Section -->
21       <div class="form-section form-section--opaque">
22         <label for="password">Password:</label>
23         <input type="password" id="password" name="password" placeholder="Create a password" required>
24       </div>
25
26       <!-- Gender Section -->
27       <div class="form-section">
28         <label>Gender:</label>
29         <select name="gender" id="gender">
30           <option value="male">Male</option>
31           <option value="female">Female</option>
32           <option value="other">Other</option>
33         </select>
34       </div>
35
36       <!-- Checkbox Section -->
37       <div class="form-section">
38         <input type="checkbox" name="terms" required/> I agree to the terms and conditions</div>
39
40       <!-- Submit Button -->
41       <div class="form-section">
42         <button type="submit" class="btn-submit">Register</button>
43       </div>
44     </form>
45   </div>
46 </body>
```



```
1 /* Custom Color Palette */
2 :root {
3   --primary-color: #3498db;
4   --secondary-color: #2ecc71;
5   --background-color: #f9f9f9;
6   --input-bg-color: #ecf0f1;
7   --text-color: #34495e;
8   --button-color: #bdc3c7;
9   --button-hover-color: #83929b;
10   --opaque-bg-color: rgba(46, 204, 113, 0.5); /* Semi-transparent green for opacity */
11 }
12
13 /* Form Container */
14 .form-container {
15   width: 400px;
16   margin: 50px auto;
17   background-color: var(--background-color);
18   padding: 20px;
19   border-radius: 8px;
20   box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);
21 }
22
23 .form-container h2 {
24   text-align: center;
25   color: var(--primary-color);
26 }
27
28 /* Form Sections */
29 .form-section {
30   margin-bottom: 15px;
31 }
32
33 label {
34   display: block;
35   margin-bottom: 5px;
36   font-weight: bold;
37   color: var(--text-color);
38 }
39
40 input[type="text"], input[type="email"], input[type="password"], select {
41   width: 100%;
42   padding: 10px;
43   border: 1px solid var(--primary-color);
44   border-radius: 4px;
45   background-color: var(--input-bg-color);
46   color: var(--text-color);
47   box-sizing: border-box;
48 }
```

Registration Form

Full Name:

Enter your full name

Email:

Enter your email

Password:

Create a password

Gender:

Male



☒ I agree to the terms and conditions

Register