

Program 1

PROBLEM STATEMENT: Create a webpage using HTML tags (headings, paragraphs, links, images and lists)

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
  <meta charset="UTF-8">
```

```
  <title>Complete HTML Page Example</title>
```

```
</head>
```

```
<body>
```

```
  <!-- All Heading Tags -->
```

```
  <h1>Welcome to My Webpage (h1)</h1>
```

```
  <h2>About Me (h2)</h2>
```

```
  <h3>This is a Subheading (h3)</h3>
```

```
  <h4>Another Section (h4)</h4>
```

```
  <h5>Minor Heading (h5)</h5>
```

```
  <h6>Smallest Heading (h6)</h6>
```

```
  <!-- Horizontal Rule -->
```

```
  <hr>
```

```
  <!-- Paragraph with Line Break -->
```

```
  <p>
```

```
    Hello! My name is Alex.<br>
```

```
    I'm learning <b>HTML</b> to build awesome websites.<br>
```

This is my very first webpage.

</p>

<!-- Horizontal Rule -->
<hr>

<!-- Image Tag -->
<h2>My Favorite Image</h2>

 <!-- Adding space after image -->

<!-- Link Tag -->
<p>
Visit my favorite site:
Wikipedia
</p>

<hr>

<!-- Unordered List -->
<h2>My Hobbies</h2>

Reading books
Coding
Playing guitar


```
<!-- Ordered List -->

<h2>Daily Routine</h2>

<ol>

  <li>Wake up at 6 AM</li>

  <li>Go for a jog</li>

  <li>Study HTML and CSS</li>

  <li>Relax and watch a movie</li>

</ol>


<hr>


<!-- Footer Note -->

<p>Thanks for visiting my webpage!<br>Have a great day!</p>


</body>
</html>
```

PROGRAM 2

PROBLEM STATEMENT: Style a webpage using CSS ,apply colors, fonts and layouts

HTML PART

```
<!DOCTYPE html>

<html>

<head>

  <title>Styled Webpage with External CSS</title>
```

```
<link rel="stylesheet" href="C:\Users\sreed\OneDrive\Desktop\Mount CaramelCollege\14 July Lab\Program10.css">
```

```
<!-- External CSS linked here -->
```

```
</head>
```

```
<body>
```

```
<header>
```

```
<h1>My Styled Webpage</h1>
```

```
<p>Welcome Your Name</p>
```

```
</header>
```

```
<nav>
```

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

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

```
<a href="#">Services</a>
```

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

```
</nav>
```

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

```
<div class="main-content">
```

```
<h2>Main Content Area</h2>
```

```
<p>This is where the main content goes. It is styled with padding, margin, and background color.</p>
```

```
<b>HTML</b>
```

```
<p>HTML stands for HyperText Markup Language. It is not a programming language, but a markup language used
```

```
to create the structure and content of a webpage. It tells the web browser how to display text, links,
```

```
images, and other forms of multimedia on a webpage. </p>
```

```
</div>
```

```
<div class="sidebar">

  <h3>Sidebar</h3>

  <p>This is the sidebar area with different background color and smaller width.</p>

</div>

</div>


<footer>

  <p>&copy; 2025 My Styled Webpage</p>

</footer>

</body>

</html>
```

CSS PART

```
/* General body styling */

body {

  font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;

  margin: 0;

  padding: 0;

  background-color: #f2f2f2;

  color: #333;

}


/* Header styling */

header {

  background-color: #4CAF50;

  color: white;

  padding: 20px;

  text-align: center;
```

```
}
```

```
/* Navigation bar */
```

```
nav {  
    background-color: #333;  
    display: flex;  
    justify-content: center;  
}
```

```
nav a {  
    color: white;  
    padding: 14px 20px;  
    text-decoration: none;  
}
```

```
nav a:hover {  
    background-color: #ddd;  
    color: black;  
}
```

```
/* Main content layout using flex */
```

```
.container {  
    display: flex;  
    padding: 20px;  
}
```

```
.main-content {  
    flex: 3;
```

```
padding: 20px;

background-color: white;

margin-right: 10px;
}


.sidebar {

flex: 1;

padding: 20px;

background-color: #e0e0e0;
}


/* Footer styling */
footer {

background-color: #4CAF50;

color: white;

text-align: center;

padding: 10px;

position: relative;

bottom: 0;

width: 100%;
}
```

PROGRAM 3

PROBLEM STATEMENT: Design a webpage using CSS box model, incorporating margins, padding and borders

<!DOCTYPE html>

```
<html>
<head>
  <title>Box Model Demo</title>
  <style>
    div {
      background-color: lightgrey;
      width: 300px;
      border: 15px solid green;
      padding: 50px;
      margin: 20px;
    }
  </style>
</head>
<body>
  <h2>Demonstrating the Box Model</h2>
  <div>This text is the content of the box. We have added a 50px padding, 20px margin and
  a 15px green border. </div>
</body>
</html>
```

Program 4

PROBLEM STATEMENT: Build a responsive web page using Bootstrap, including a navbar, buttons and forms.

index.html (Home Page)

Code for the home page:

```
<!DOCTYPE html>
```



```
<html lang="en">

<head>

<meta charset="UTF-8" />

<meta name="viewport" content="width=device-width, initial-scale=1" />

<title>Home - Bootstrap Project</title>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css"
rel="stylesheet" />

</head>

<body>

<!-- Navbar -->

<nav class="navbar navbar-expand-lg navbar-dark bg-primary">

<div class="container-fluid">

<a class="navbar-brand" href="#">MySite</a>

<button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs
target="#navbarNav">

    <span class="navbar-toggler-icon"></span>

</button>

<div class="collapse navbar-collapse" id="navbarNav">

    <ul class="navbar-nav ms-auto">

        <li class="nav-item"><a class="nav-link active" href="index.html">Home</a></li>

        <li class="nav-item"><a class="nav-link" href="contact.html">Contact</a></li>

    </ul>

    </div>

</div>

</nav>

<!-- Content -->

<div class="container mt-5">
```

```
<h1>Welcome to My Bootstrap Site</h1>

<p>This is the homepage of a two-page responsive website using Bootstrap.</p>

<a href="contact.html" class="btn btn-success mt-3">Go to Contact Page</a>

</div>

<script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/js/bootstrap.bundle.min.js"></
script>

</body>

</html>
```

contact.html (Contact Page)

Code for the contact page, including a form and JavaScript for the popup:

```
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8" />

  <meta name="viewport" content="width=device-width, initial-scale=1" />

  <title>Contact - Bootstrap Project</title>

  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css"
rel="stylesheet" />

</head>

<body>

  <!-- Navbar -->

  <nav class="navbar navbar-expand-lg navbar-dark bg-primary">

    <div class="container-fluid">

      <a class="navbar-brand" href="#">MySite</a>
```

```
<button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs
target="#navbarNav">
```

```
<span class="navbar-toggler-icon"></span>
```

```
</button>
```

```
<div class="collapse navbar-collapse" id="navbarNav">
```

```
<ul class="navbar-nav ms-auto">
```

```
<li class="nav-item"><a class="nav-link" href="index.html">Home</a></li>
```

```
<li class="nav-item"><a class="nav-link active"
href="contact.html">Contact</a></li>
```

```
</ul>
```

```
</div>
```

```
</div>
```

```
</nav>
```

```
<!-- Content -->
```

```
<div class="container mt-5">
```

```
<h1>Contact Us</h1>
```

```
<form id="contactForm">
```

```
<div class="mb-3">
```

```
<label for="nameInput" class="form-label">Name</label>
```

```
<input type="text" class="form-control" id="nameInput" placeholder="Your name"
required />
```

```
</div>
```

```
<div class="mb-3">
```

```
<label for="emailInput" class="form-label">Email address</label>
```

```
<input type="email" class="form-control" id="emailInput"
placeholder="name@example.com" required />
```

```
</div>
```

```
<div class="mb-3">
```

```
  <label for="messageArea" class="form-label">Message</label>
```

```
  <textarea class="form-control" id="messageArea" rows="4" placeholder="Your  
message" required></textarea>
```

```
</div>
```

```
  <button type="submit" class="btn btn-primary">Submit</button>
```

```
  <a href="index.html" class="btn btn-secondary ms-2">Back to Home</a>
```

```
</form>
```

```
</div>
```

```
<!-- Bootstrap JS -->
```

```
<script
```

```
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/js/bootstrap.bundle.min.js"></
```

```
script>
```

```
<!-- Popup Script -->
```

```
<script>
```

```
document.getElementById("contactForm").addEventListener("submit", function(e) {
```

```
  e.preventDefault(); // Prevent actual form submission
```

```
  alert("Your message has been sent successfully!");
```

```
  this.reset(); // Optionally reset the form
```

```
});
```

```
</script>
```

```
</body>
```

```
</html>
```