

Program 1:

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
  <title>Your-name Resume</title>
```

```
  <style>
```

```
    body {
```

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

```
      margin: 0;
```

```
      padding: 0;
```

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

```
    }
```

```
    header {
```

```
      background-color: #0078d4;
```

```
      color: white;
```

```
      padding: 20px;
```

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

```
    }
```

```
    h1 {
```

```
      margin: 0;
```

```
    }
```

```
    .container {
```

```
      max-width: 800px;
```

```
      margin: 20px auto;
```

```
padding: 20px;
background-color: white;
box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
}
```

```
h2 {
  color: #0078d4;
}
```

```
p {
  margin: 10px 0;
}
```

```
ul {
  list-style-type: square;
}
```

```
footer {
  background-color: #0078d4;
  color: white;
  text-align: center;
  padding: 10px;
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<header>
```

<h1>Your name</h1>

<p>Career Objective: My career objective as a software engineer is to learn and grow while developing innovative software solutions. I want to collaborate with talented teams, apply my technical skills, and leverage emerging technologies to create impactful applications. Staying updated with industry trends and best practices is important to me, as I strive to deliver high-quality software that exceeds user expectations.</p>

</header>

<div class="container">

<section>

<h2>Academic Records</h2>

Bachelor's Degree in Computer Science - The oxford college of Engineering(2025)

High School - NMKRV PU college (2021)

</section>

<section>

<h2>Technical Skills</h2>

Programming Languages: Java, Python, HTML/CSS

Web Development: HTML, CSS, JavaScript, React

<!-- Add more skills as needed -->

</section>

<section>

<h2>Projects</h2>

<p>Project 1: Description of project 1</p>

<p>Project 2: Description of project 2</p>

<!-- Add more project details as needed -->

</section>

<section>

<h2>Extra Curricular Activities</h2>

Member of Coding Club

Volunteer at Local Community Center

<!-- Add more activities as needed -->

</section>

<section>

<h2>Contact Details</h2>

<p>Email: vmadhumitha523@gmail.com</p>

<p>Phone: (123) 456-7890</p>

<p>LinkedIn: Your
LinkedIn Profile</p>

<!-- Add more contact information as needed -->

</section>

</div>

<footer>

© 2023 Your Name

</footer>

</body>

</html>

Program 2:

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
  <title>Product Catalog</title>
```

```
  <style>
```

```
    body {
```

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

```
    }
```

```
    h1 {
```

```
      color: #333;
```

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

```
    }
```

```
    .product {
```

```
      display: flex;
```

```
      margin-bottom: 20px;
```

```
    }
```

```
    .product img {
```

```
      width: 200px;
```

```
      height: 200px;
```

```
      object-fit: cover;
```

```
      margin-right: 20px;
```

```
    }
```

```
.product .details {  
  flex: 1;  
}
```

```
.product h2 {  
  color: #555;  
}
```

```
.product p {  
  margin-bottom: 10px;  
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<h1>Product Catalog</h1>
```

```
<div class="product">
```

```

```

```
<div class="details">
```

```
<h2>Product 1</h2>
```

```
<p>Description of Product 1.</p>
```

```
<p>Price: $X</p>
```

```
<p>Available Colors: Color 1, Color 2, Color 3</p>
```

```
</div>
```

```
</div>
```

```
<div class="product">
```


<div class="details">

<h2>Product 2</h2>

<p>Description of Product 2.</p>

<p>Price: \$Y</p>

<p>Available Colors: Color 1, Color 2</p>

</div>

</div>

<div class="product">

<div class="details">

<h2>Product 3</h2>

<p>Description of Product 3.</p>

<p>Price: \$Z</p>

<p>Available Colors: Color 1, Color 2, Color 3, Color 4</p>

</div>

</div>

<!-- Add more product entries as needed -->

</body>

</html>

Program 3:

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
  <title>Inline Styles</title>
```

```
</head>
```

```
<body>
```

```
  <h1 style="color: blue; text-align: center;">This is an inline-styled heading</h1>
```

```
  <p style="font-size: 18px;">This is a paragraph with inline styles.</p>
```

```
</body>
```

```
</html>
```

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
  <title>Internal Styles</title>
```

```
  <style>
```

```
    h1 {
```

```
      color: green;
```

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

```
    }
```

```
    p {
```

```
      font-size: 20px;
```

```
    }
```

```
  </style>
```

```
</head>
```



```
<body>
  <h1>This is an internally styled heading</h1>
  <p>This is a paragraph with internal styles.</p>
</body>
</html>
```

```
<!DOCTYPE html>
<html>
<head>
  <title>External Styles</title>
  <link rel="stylesheet" type="text/css" href="styles.css">
</head>
<body>
  <h1>This is an externally styled heading</h1>
  <p>This is a paragraph with external styles.</p>
</body>
</html>
```

Program 4:

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
  <title>Styled Web Page</title>
```

```
  <style>
```

```
    /* Apply a background image to the entire page */
```

```
    body {
```

```
      background-image: url('back.jpg');
```

```
      background-repeat: no-repeat;
```

```
      background-size: cover; /* Cover the entire viewport */
```

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

```
    }
```

```
    /* Apply a background image to a specific element */
```

```
    .bird1 {
```

```
      background-image: url('bird1.jpg');
```

```
      background-repeat: repeat; /* Repeat the image */
```

```
      padding: 50px;
```

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

```
    }
```

```
    /* Different font styles */
```

```
h1 {  
    font-family: 'Times New Roman', serif;  
    color: #333;  
}
```

```
p {  
    font-family: 'Helvetica', sans-serif;  
    color: #555;  
}
```

```
.special-text {  
    font-family: 'Courier New', monospace;  
    color: #777;  
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<header class="bird1">
```

```
<h1>Welcome to Our Website</h1>
```

```
<p class="special-text">Discover Amazing Things Here</p>
```

```
</header>
```

```
<section>
```

```
<h2>Main Content Section</h2>
```

```
<p>This is the main content of the web page.</p>
```

```
</section>
```

```
<footer>
```

```
<p>&copy; 2023 Your Website</p>
```

```
</footer>
</body>
</html>
```

Program 5:

```
<!DOCTYPE html>
<html>
<head>
<style>
body{
background-color:grey;
}
button {
    font-family: Arial, sans-serif;
    font-size: 16px;
    background-color:white;
}
</style>
<title>JavaScript Examples</title>
<script>
// Problem A: Generate the first n Fibonacci numbers
function generateFibonacciNumbers() {
    var n = parseInt(prompt("Enter a number:"));
```

```

var fibonacciNumbers = [0, 1];

for (var i = 2; i < n; i++) {
    fibonacciNumbers[i] = fibonacciNumbers[i - 1] + fibonacciNumbers[i - 2];
}

alert("The first " + n + " Fibonacci numbers are: " + fibonacciNumbers.join(", "));
}

// Problem B: Generate a table of numbers from 1 to n and their squares
function generateNumberTable() {
    var n = parseInt(prompt("Enter a number:"));
    var table = "";

    for (var i = 1; i <= n; i++) {
        table += i + " - " + (i * i) + "\n";
    }

    alert("Table of numbers from 1 to " + n + " and their squares:\n\n" + table);
}

</script>
</head>
<body>
    <button onclick="generateFibonacciNumbers()">Generate Fibonacci Numbers</button>
    <button onclick="generateNumberTable()">Generate Number Table</button>
</body>
</html>

```


Program 6:

```
<!DOCTYPE html>

<html>

<head>

  <title>Country Capitals</title>

  <style>

    select {

      font-size: 16px;

      padding: 5px;

    }

    #capital {

      font-weight: bold;

      color: rosybrown;

      font-size: 18px;

    }

  </style>

</head>

<body>

  <h1>Country Capitals</h1>

  <label for="country">Select a country:</label>

  <select id="country" onchange="showCapital()">

    <option value="none">Select a country</option>

    <option value="usa">United States</option>

    <option value="canada">Canada</option>

    <option value="france">France</option>

    <option value="germany">Germany</option>
```

```
    <option value="uk">United Kingdom</option>
</select>
<p id="capital"></p>

<script>
    function showCapital() {
        var countrySelect = document.getElementById("country");
        var capitalParagraph = document.getElementById("capital");
        var selectedCountry = countrySelect.value;

        var capitals = {
            none: "",
            usa: "Washington, D.C.",
            canada: "Ottawa",
            france: "Paris",
            germany: "Berlin",
            uk: "London"
        };

        capitalParagraph.textContent = "Capital: " + capitals[selectedCountry];
    }
</script>
</body>
</html>
```


Program 7:

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
  <title>Simple Calculator</title>
```

```
  <style>
```

```
    body {
```

```
      background-color: Teal;
```

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

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

```
    }
```

```
    .calculator {
```

```
      background-color: #fff;
```

```
      border-radius: 10px;
```

```
      box-shadow: 0 0 10px rgba(0, 0, 0, 0.2);
```

```
      padding: 20px;
```

```
      width: 300px;
```

```
      margin: 0 auto;
```

```
    }
```

```
    input[type="number"] {
```

```
      width: 100px;
```

```
      padding: 5px;
```

```
    }
```

```
    button {
```

```
padding: 10px 20px;
margin: 5px;
font-size: 16px;
cursor: pointer;
}
```

```
#result {
    font-size: 20px;
    font-weight: bold;
    margin-top: 10px;
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<div class="calculator">
```

```
<h1>Simple Calculator</h1>
```

```
<label for="num1">Number 1:</label>
```

```
<input type="number" id="num1"><br>
```

```
<label for="num2">Number 2:</label>
```

```
<input type="number" id="num2"><br>
```

```
<button onclick="calculate('add')">Add</button>
```

```
<button onclick="calculate('subtract')">Subtract</button>
```

```
<button onclick="calculate('multiply')">Multiply</button>
```

```
<button onclick="calculate('divide')">Divide</button>
```

```
<button onclick="clearAll()">Clear All</button><br>
```

```
<p id="result"></p>
```

```
</div>
```

```
<script>
```

```
function calculate(operation) {  
    var num1 = parseFloat(document.getElementById("num1").value);  
    var num2 = parseFloat(document.getElementById("num2").value);  
    var result;  
  
    switch (operation) {  
        case 'add':  
            result = num1 + num2;  
            break;  
        case 'subtract':  
            result = num1 - num2;  
            break;  
        case 'multiply':  
            result = num1 * num2;  
            break;  
        case 'divide':  
            if (num2 !== 0) {  
                result = num1 / num2;  
            } else {  
                alert("Division by zero is not allowed.");  
                return;  
            }  
            break;  
        default:  
            alert("Invalid operation");  
    }  
}
```

```
        return;  
    }
```

```
    document.getElementById("result").textContent = "Result: " + result;  
}
```

```
function clearAll() {  
    document.getElementById("num1").value = "";  
    document.getElementById("num2").value = "";  
    document.getElementById("result").textContent = "";  
}
```

```
</script>
```

```
</body>
```

```
</html>
```

Program 8:

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
  <title>Calendar</title>
```

```
  <style>
```

```
    table {
```

```
      border-collapse: collapse;
```

```
    }
```

```
    th, td {
```

```
      border: 1px solid #ccc;
```

```
      padding: 8px;
```

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

```
    }
```

```
    th {
```

```
      background-color: #0078d4;
```

```
      color: #fff;
```

```
}

td {
    background-color: #f5f5f5;
}

</style>
</head>
<body>
    <h1>Calendar for a Year</h1>
    <label for="year">Enter a year: </label>
    <input type="number" id="year">
    <button onclick="generateCalendar()">Generate Calendar</button>

    <div id="calendar"></div>

    <script>
        function generateCalendar() {
            const yearInput = document.getElementById("year");
            const year = parseInt(yearInput.value);

            if (isNaN(year)) {
                alert("Please enter a valid year.");
                return;
            }

            const months = [
                "January", "February", "March", "April", "May", "June",
```

```
"July", "August", "September", "October", "November", "December"  
];
```

```
let calendarHTML = "<table>";  
calendarHTML += "<tr><th colspan='3'>" + year + "</th></tr>";
```

```
for (let month = 0; month < 12; month += 3) {  
  calendarHTML += "<tr>";
```

```
  for (let i = 0; i < 3; i++) {  
    const currentMonth = month + i;  
    const monthName = months[currentMonth];
```

```
    calendarHTML += "<td>";  
    calendarHTML += "<h2>" + monthName + "</h2>";  
    calendarHTML += generateMonthCalendar(year, currentMonth);  
    calendarHTML += "</td>";  
  }
```

```
  calendarHTML += "</tr>";  
}
```

```
calendarHTML += "</table>";
```

```
document.getElementById("calendar").innerHTML = calendarHTML;  
}
```

```
function generateMonthCalendar(year, month) {  
    const daysInMonth = new Date(year, month + 1, 0).getDate();  
    const firstDayOfMonth = new Date(year, month, 1).getDay();  
  
    let calendarHTML = "<table>";  
  
    calendarHTML += "<tr>";  
    const daysOfWeek = ["Sun", "Mon", "Tue", "Wed", "Thu", "Fri", "Sat"];  
    for (const dayOfWeek of daysOfWeek) {  
        calendarHTML += "<th>" + dayOfWeek + "</th>";  
    }  
    calendarHTML += "</tr>";  
  
    let day = 1;  
  
    for (let i = 0; i < 6; i++) {  
        calendarHTML += "<tr>";  
  
        for (let j = 0; j < 7; j++) {  
            if ((i === 0 && j < firstDayOfMonth) || day > daysInMonth) {  
                calendarHTML += "<td></td>";  
            } else {  
                calendarHTML += "<td>" + day + "</td>";  
                day++;  
            }  
        }  
    }  
}
```



```
        calendarHTML += "</tr>";  
    }  
  
    calendarHTML += "</table>";  
  
    return calendarHTML;  
}  
</script>  
</body>  
</html>
```

Program 9:

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<title>Registration Page</title>
```

```
<style>
```

```
body {
```

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

```
    background-color: #f5f5f5;
```

```
    display: flex;
```

```
    justify-content: center;
```

```
    align-items: center;
```

```
    height: 100vh;
```

```
    margin: 0;
```

```
}
```

```
.container {
```

```
    background-color: #fff;
```

```
    border-radius: 10px;
```

```
    box-shadow: 0 0 10px rgba(0, 0, 0, 0.2);
```

```
    width: 400px;
```

```
    padding: 20px;
```

```
}
```

```
h1 {
```

```
    color: #0078d4;
```

```
}
```

```
label {  
    display: block;  
    margin-bottom: 5px;  
    text-align: left;  
    font-weight: bold;  
}
```

```
input[type="text"],  
input[type="password"],  
input[type="email"] {  
    width: 95%;  
    padding: 10px;  
    margin-bottom: 10px;  
    border: 1px solid #ccc;  
    border-radius: 5px;  
    font-size: 16px;  
}
```

```
input[type="submit"] {  
    background-color: #0078d4;  
    color: #fff;  
    border: none;  
    border-radius: 5px;  
    padding: 10px 20px;  
    font-size: 18px;  
    cursor: pointer;
```

```
}
```

```
input[type="submit"]:hover {  
    background-color: #0057a0;  
}
```

```
p.error {  
    color: red;  
    margin: 5px 0;  
}
```

```
</style>
```

```
<script>
```

```
function validateForm() {  
    var firstName = document.getElementById("firstName").value;  
    var lastName = document.getElementById("lastName").value;  
    var password = document.getElementById("password").value;  
    var email = document.getElementById("email").value;  
    var mobileNumber = document.getElementById("mobileNumber").value;  
  
    // Regular expression patterns for validation  
    var namePattern = /^[A-Za-z]{6,}$/;  
    var passwordPattern = /^(.{6,})$/;  
    var emailPattern = /^[a-zA-Z0-9._-]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,4}$/;  
    var mobilePattern = /^\d{10}$/;  
  
    if (!namePattern.test(firstName)) {  
        alert("First Name should contain alphabets and be at least 6 characters long.");  
    }  
}
```

```
        return false;
    }

    if (!passwordPattern.test(password)) {
        alert("Password should be at least 6 characters long.");
        return false;
    }

    if (!emailPattern.test(email)) {
        alert("Please enter a valid email address.");
        return false;
    }

    if (!mobilePattern.test(mobileNumber)) {
        alert("Mobile Number should contain 10 digits only.");
        return false;
    }

    if (lastName.trim() === "" || address.trim() === "") {
        alert("Last Name and Address cannot be empty.");
        return false;
    }

    // If all validations pass, the form is submitted
    return true;
}
</script>
```

```
</head>

<body>

  <div class="container">

    <h1>Registration Page</h1>

    <form onsubmit="return validateForm()">

      <label for="firstName">First Name:</label>

      <input type="text" id="firstName" name="firstName" required>

      <label for="lastName">Last Name:</label>

      <input type="text" id="lastName" name="lastName" required>

      <label for="password">Password:</label>

      <input type="password" id="password" name="password" required>

      <label for="email">E-mail:</label>

      <input type="email" id="email" name="email" required>

      <label for="mobileNumber">Mobile Number:</label>

      <input type="text" id="mobileNumber" name="mobileNumber" required>

      <label for="address">Address:</label>

      <input type="text" id="address" name="address" required>

      <input type="submit" value="Register">

    </form>

    <p class="error" id="errorMessage"></p>

  </div>
```

```
</body>
```

```
</html>
```

Program 10:

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
  <title>Mouse Hover Example</title>
```

```
  <style>
```

```
    /* Styling for the existing content */
```

```
    .existing-content {
```

```
      width: 300px;
```

```
      padding: 20px;
```

```
      background-color: #0078d4;
```

```
      color: #fff;
```

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

```
      cursor: pointer;
```

```
    }
```

```
      p{
```

```
        font-size:24px;
```

```
}
```

```
/* Styling for the new content (hidden by default) */
```

```
.new-content {  
    display: none;  
    text-align: center;  
    padding: 20px;  
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<div class="existing-content" onmouseover="showNewContent()"  
onmouseout="hideNewContent()">
```

```
    Hover over me!
```

```
</div>
```

```
<div class="new-content" id="newContent">
```

```

```

```
<p>Happy Ganesha Chaturthi</p>
```

```
</div>
```

```
<script>
```

```
function showNewContent() {  
    var newContent = document.getElementById("newContent");  
    newContent.style.display = "block";  
}
```



```
function hideNewContent() {  
    var newContent = document.getElementById("newContent");  
    newContent.style.display = "none";  
}  
</script>  
</body>  
</html>
```