

PROGRAM 11

NAME -Lalit singh

COURSE -MCA 1st Sem

ROLL NO -2351027

SUBJECT -Full Stack Development Laboratory (PMC-101)

OBJECTIVE: To Design the following static web pages required for online bookstore.

- **Home page:** - the static home page must contain three pages
- **Top frame:** - logo and college name and links to homepage, login page, registration Page,
- **catalogue page and cart page**
- **Left frame:** - at least four links for navigation which will display the catalogue of Respective links
- **Right frame:** - the pages to links in the left frame must be loaded here initially it Contains the
- **description of the website**
- **Registration page and**
- **Cart page**

HTML CODE:

1. INDEX.html

```
<!DOCTYPE html>
<html lang="en">
<head>
<frameset rows="20%,*">
<frame src="topframe.html"name="f1">
<frameset cols="10%,*">
<frame src="leftframe.html"name="f2">
<frame src="rightframe.html"name="f3">
</frameset>
</frameset>
</head>
</html>
```

2. topframe.html

```
<html>
<head>
<link rel="stylesheet" href="style.css">
</head>
<body>
<nav class="topnav">

<h1>Online book store</h1>
<ul class="topul" >
<li><a href="index.html" target="_parent">Home</a></li>
<li><a href="login.html" target="f3">login</a></li>
<li><a href="registration.html" target="f3">registration</a></li>
```

```

<li> <a href="catalogue.html" target="f3">Catalogue</a></li>
<li><a href="cart.html" target="f3">Cart</a></li>
</ul>
</nav>
</body>
</html>

```

3. leftframe.html

```

<html>
<head>
<link rel="stylesheet" href="style.css">
</head>
<body>
<nav>
<ul class="leftnav">
<li><a href=bca.html target="f3"><h3>BCA</h3> </a></li>
<li><a href=mca.html target="f3"><h3>MCA</h3></a></li>
<li><a href=bba.html target="f3"><h3>BBA</h3></a></li>
<li><a href=mba.html target="f3"><h3>MBA</h3></a></li>
</ul>
</nav>
</body>
</html>

```

4. rightframe.html

```

<html>
<head>
<link rel="stylesheet" href="style.css">
</head><body>
<p>
<h1 align="center"> Online book store information </h1>
<p> nvesting in high-quality textbooks is an investment in your future success. By
providing you with the right resources, we empower you to acquire the knowledge
and skills necessary to excel in your chosen field. Whether you're aiming for a
top-tier job or pursuing further education, we believe that access to reliable and
relevant information is key to achieving your goals.</p>
</p>
</body>
</html>

```

5. login.html

```

<html>
<head>
<p style= "background:yellow; top:100px; left:250px; position:absolute; ">
</head>
<body>
<center>
<br><br>
<h1>Login Form</h1>
<form action="#" >
username : <input type="text"><br><br>
password : <input type="password" ><br><br>
<input type="submit">
<input type="reset">
</form>
<br><br></center>

```

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

6. registration.html

```
<!DOCTYPE html>
<html lang="en">
<body>
<center>
<br><br>
<h1>Registration Form</h1>
<form action="#" >
name: <input type="text"><br><br>
password : <input type="password"><br><br>
age: <input type="number"><br><br>
roll no : <input type="number"><br><br>
gender : <input type="radio" name="r1"> male <input type="radio" name="r1"> female
<br><br>
<input type="submit">
<input type="reset" >
</form>
<br><br>
</center>
</body>
</html>
```

7. mca.html

```
<html>
<body>
<center>
<h1>MCA Course Catalogue</h1>
<table border=1>
<tr>
<th> Book Preview </th>
<th> Book Details </th>
<th> Price </th>
<th> Payment </th>
</tr>
<tr>
<td>

</img>
</td>
<td>
<span><p> book:XML Bible</p>
<p> Author:winston</p>
<p>Publisher:Wiesley</p></span>
</td>
<td>1500 INR </td>
<td>
<a href="cart.html" target="_blank">
</img>
</a>
</td>
</tr>
<tr>
<td>

</img>
</td>
<td>
```

```

        <span><p> book:XML Bible</p>
          <p> Author:winston</p>
          <p>Publisher:Wiesley</p></span>
      </td>
<td> 1580 INR </td>
<td>  <a href="cart.html" target="_blank">
      </img>
    </a>
  </td>
</tr>
<tr>
  <td> 
    </img>
  </td>
<td>
    <span><p> book:XML Bible</p>
      <p> Author:winston</p>
      <p>Publisher:Wiesley</p></span>
    </td>
<td>1580 INR </td>
<td>  <a href="cart.html" target="_blank">
      </img>
    </a>
  </td>
</tr>
</table> </center>
</body>
</html>

```

8. cart.html

```

<html>
<body>
<center>
  <h1>Your Cart</h1>
<table border=1>
<tr>
<th> Book Preview </th>
<th> Book Details </th>
<th> Price </th>

</tr>
  <tr>
<td> 
</img>
</td>
<td>
  <span><p> book:XML Bible</p>
    <p> Author:winston</p>
    <p>Publisher:Wiesley</p></span>
</td>
<td>1500 INR  </td>
</tr>
<tr>
  <td> 
    </img>
  </td>
<td>
    <span><p> book:XML Bible</p>

```

```

        <p> Author:winston</p>
        <p>Publisher:Wiesley</p></span>
    </td>
<td> 1580 INR </td>

</tr>
<tr>
    <td> 
        </img>
    </td>
<td>
        <span><p> book:XML Bible</p>
            <p> Author:winston</p>
            <p>Publisher:Wiesley</p></span>
        </td>
<td>1580 INR </td>

</tr>
</table> </center>
</body>
</html>

```

9. catalogue.html

```

<html>
<body>
<center>
    <h1>Course catalogue</h1>
<table border=1>
<tr>
<th> Book Preview </th>
<th> Book Details </th>
<th> Price </th>
<th> Payment </th>
</tr>
<tr>
    <td> 
        </img>
    </td>
    <td>
        <span><p> book:XML Bible</p>
            <p> Author:winston</p>
            <p>Publisher:Wiesley</p></span>
        </td>
    <td>1500 INR </td>
    <td> <a href="cart.html" target="_blank">
        </img>
        </a>
    </td>
</tr>
<tr>
    <td> 
        </img>
    </td>
<td>
        <span><p> book:XML Bible</p>
            <p> Author:winston</p>
            <p>Publisher:Wiesley</p></span>
        </td>
    <td> 1580 INR </td>

```

```

<td> <a href="cart.html" target="_blank">
    </img>
</a>
</td>
</tr>
<tr>
    <td> 
        </img>
    </td>
<td>
        <span><p> book:XML Bible</p>
            <p> Author:winston</p>
            <p>Publisher:Wiesley</p></span>
    </td>
<td>1580 INR </td>
<td> <a href="cart.html" target="_blank">
    </img>
</a>
</td>
</tr>
</table> </center>
</body>
</html>

```

10. bca.html

```

<html>
<body>
<center>
    <h1>BCA Course Catalogue</h1>
<table border=1>
<tr>
<th> Book Preview </th>
<th> Book Details </th>
<th> Price </th>
<th> Payment </th>
</tr>
<tr>
    <td> 
        </img>
    </td>
    <td>
        <span><p> book:XML Bible</p>
            <p> Author:winston</p>
            <p>Publisher:Wiesley</p></span>
    </td>
<td>1500 INR </td>
<td> <a href="cart.html" target="_blank">
    </img>
</a>
</td>
</tr>
<tr>
    <td> 
        </img>
    </td>
<td>
        <span><p> book:XML Bible</p>
            <p> Author:winston</p>

```

```

        <p>Publisher:Wiesley</p></span>
    </td>
<td> 1580 INR </td>
<td>  <a href="cart.html" target="_blank">
        </img>
    </a>
</td>
</tr>
<tr>
    <td> 
        </img>
    </td>
<td>
        <span><p> book:XML Bible</p>
            <p> Author:winston</p>
            <p>Publisher:Wiesley</p></span>
    </td>
<td>1580 INR </td>
<td>  <a href="cart.html" target="_blank">
        </img>
    </a>
</td>
</tr>
</table> </center>
</body>
</html>

```

11. Mba.html

```

<html>
<body>
<center>
    <h1>MBA Course Catalogue</h1>
<table border=1>
<tr>
<th> Book Preview </th>
<th> Book Details </th>
<th> Price </th>
<th> Payment </th>
</tr>
<tr>
    <td> 
        </img>
    </td>
    <td>
        <span><p> book:XML Bible</p>
            <p> Author:winston</p>
            <p>Publisher:Wiesley</p></span>
    </td>
    <td>1500 INR </td>
    <td>  <a href="cart.html" target="_blank">
        </img>
    </a>
    </td>
</tr>
<tr>
    <td> 
        </img>
    </td>

```

```

<td>
    <span><p> book:XML Bible</p>
        <p> Author:winston</p>
        <p>Publisher:Wiesley</p></span>
    </td>
<td> 1580 INR </td>
<td>  <a href="cart.html" target="_blank">
        </img>
    </a>
</td>
</tr>
<tr>
    <td> 
        </img>
    </td>
<td>
        <span><p> book:XML Bible</p>
            <p> Author:winston</p>
            <p>Publisher:Wiesley</p></span>
    </td>
<td>1580 INR </td>
<td>  <a href="cart.html" target="_blank">
        </img>
    </a>
</td>
</tr>
</table> </center>
</body>
</html>

```

12. Style.css

```

*{
    color: black;
}
.topnav{
    display: flex;
    flex-direction: row;
    align-items: center;

}
.topul{
    display: flex;
    flex-direction: row;
    margin-left: 22rem;

}
.topul li{
    margin-left: 40px;
    font-size: 30px;
}
nav img{
width: 100px;
height: 100px;
}
h1{
font-size: 45px;

}

```



```

ul{
    list-style: none;
    padding: 0;
}
a{
text-decoration: none;
}
p{
    font-size: 30px;
    padding: 20px;
    text-align: justify;
}
}
.leftnav{
    display: flex;
    flex-direction: column;
    font-size: 30px;
    align-items: center;
}

```

OUTPUT:



Online book store

[Home](#) [login](#) [registration](#) [Catalogue](#) [Cart](#)

BCA

Online book store information

MCA

Investing in high-quality textbooks is an investment in your future success. By providing you with the right resources, we empower you to acquire the knowledge and skills necessary to excel in your chosen field. Whether you're aiming for a top-tier job or pursuing further education, we believe that access to reliable and relevant information is key to achieving your goals.

BBA

MBA



Online book store

[Home](#) [login](#) [registration](#) [Catalogue](#) [Cart](#)

BCA

Course catalogue

MCA

BBA

MBA

Book Preview	Book Details	Price	Payment
	book:XML Bible Author:winston Publisher:Wiesley	1500 INR	
	book:XML Bible Author:winston Publisher:Wiesley	1580 INR	
	book:XML Bible Author:winston Publisher:Wiesley	1580 INR	



BCA

MCA

BBA

MBA

Login Form

username :

password :



BCA

MCA

BBA

MBA

Your Cart

Book Preview	Book Details	Price
	book:XML Bible Author:winston Publisher:Wiesley	1500 INR
	book:XML Bible Author:winston Publisher:Wiesley	1580 INR
	book:XML Bible Author:winston Publisher:Wiesley	1580 INR

PROGRAM 12

NAME -Lalit singh

COURSE -MCA 1st Sem

ROLL NO -2351027

SUBJECT -Full Stack Development Laboratory (PMC-101)

1. **OBJECTIVE:** To design a web page using CSS which includes the following:

- a) Use different font styles
- b) Set background image for both the page and single elements on page.
- c) Control the repetition of image with background-repeat property
- d) Define style for links as a: link, a: active, a: hover, a: visited

HTML CODE:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Styled Web Page</title>
  <style>
    body {
      font-family: 'Arial', sans-serif;
      background-image: url('background.jpg');
      background-repeat: no-repeat;
      background-size: cover;
      color: #ebe3e3;
    }

    h1{
      font-family: 'Times New Roman', serif;
      text-align: center;
      background-color: #6c6969;
      padding: 20px;
      margin: 0;
    }

    p {
      font-family: cursive;
      line-height: 1.6;
      text-align: center;
      margin-bottom: 20px;
      font-size: 25px;
      color: rgb(197, 233, 174);
    }
    a:link{
      color: red;
      text-decoration: none;
    }

    a:visited {
      color: green;
```

```

    text-decoration: none;
}

a:hover{
    color: hotpink;
    text-decoration: underline;
}

a:active {
    color: blue;
    text-decoration: underline;
}

.button {
    display: inline-block;
    padding: 10px 20px;
    background-color: #cce1cc;
    color: rgb(68, 65, 65);
    text-decoration: none;
    border-radius: 5px;
    margin: 40px;
    font-size: 20px;
}

.special-element {
    width: 400px;
    height: 300px;
    position: relative;
    align-self: center;
    background-image: url('eleback.jpg');
    background-repeat: no-repeat;
    background-size: cover;
    padding: 50px;
    color: white;
    text-align: center;
    margin-left: 35%;
    border-radius: 20px;
}
</style>
</head>
<body>

    <h1>Welcome to My Web Page</h1>

    <p>This is a simple web page with different font styles and background images.
    Explore the links below:</p>

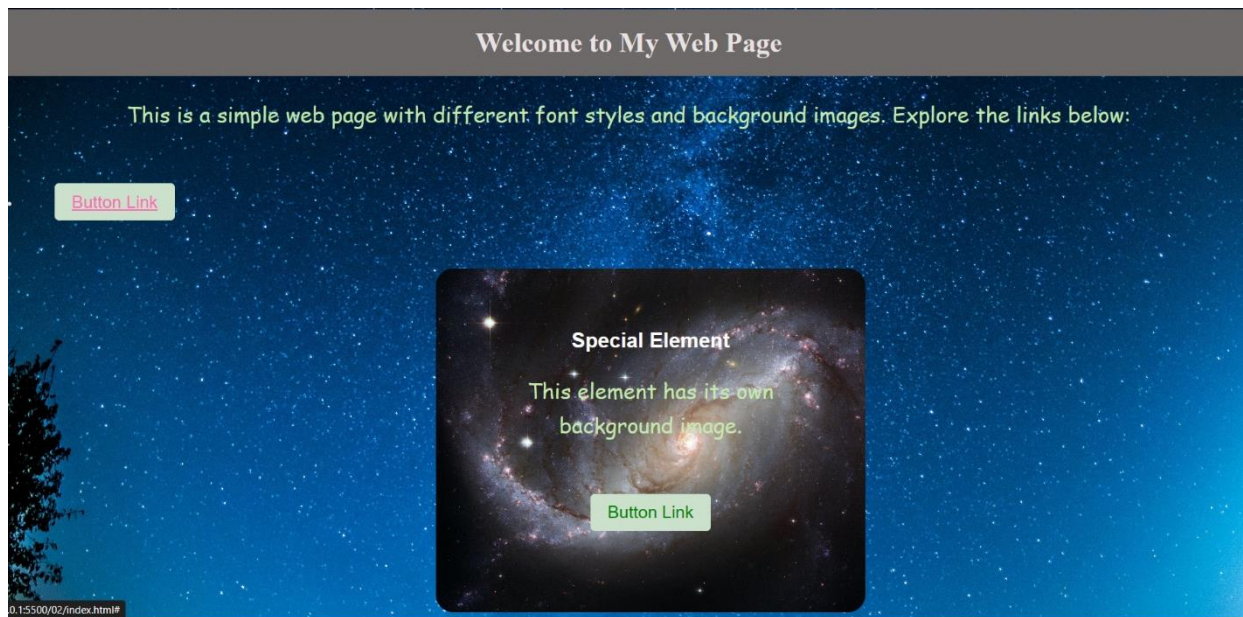
    <ul>
        <li><a href="#" class="button">Button Link</a></li>
    </ul>

    <div class="special-element">
        <h2>Special Element</h2>
        <p>This element has its own background image.</p>
        <a href="#" class="button">Button Link</a>
    </div>

```

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

OUTPUT:



PROGRAM 13

NAME -Lalit singh
COURSE -MCA 1st Sem
ROLL NO -2351027
SUBJECT -Full Stack Development Laboratory (PMC-101)

OBJECTIVE: To Create a simple student bio-data form using html5. it should contain the following name (text box), address (multiline text box), gender (radio button male, female), skill sets known (check boxes - c, c++, java, C# etc), extracurricular activities (text box), nationality (combobox), submit and reset button.

HTML CODE:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Student Bio-data Form</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      margin: 20px;
    }
    form {
      max-width: 400px;
      margin: auto;
      background-color: rgb(45, 143, 160);
      border-radius: 10px;
      padding: 40px;
    }
    label {
      margin-bottom: 8px;
      font-weight: bold;
    }
    .inputclass{
      width: 100%;
      padding: 8px;
      margin-bottom: 16px;
      box-sizing: border-box;
    }
    button {
      background-color: #4CAF50;
      color: white;
      padding: 10px 15px;
      border: none;
      border-radius: 4px;
      cursor: pointer;
    }
    button[type="reset"] {
      background-color: #f44336;
    }
    form p{
      display: flex;
      flex-direction: row;
```

```

        justify-content: space-between;
    }
    p input{
        margin-right: 200px;
    }
    #head{
        text-align: center;
    }
</style>
</head>
<body>
    <form action="#" method="post">
        <h1 id="head">Student Bio Data</h1>
        <label for="name"><h2>Name</h2></label>
        <input type="text" class="inputclass" id="name" name="name" required>
        <label for="address"><h2>Address</h2></label>
        <textarea id="address" class="inputclass" name="address" rows="4"
required></textarea>
        <label><h2>Gender</h2></label>
        <p>
            <label for="male">Male</label>
            <input type="radio" id="male" name="gender" value="male" required>
        </p>
        <p>
            <label for="female">Female</label>
            <input type="radio" id="female" name="gender" value="female" required>
        </p>
        <label><h2>Skill Sets Known:</h2></label>
        <p>
            <label for="c">C</label>
            <input type="checkbox" id="c" name="skills" value="C">
        </p>
        <p>
            <label for="cpp">C++</label>
            <input type="checkbox" id="cpp" name="skills" value="C++">
        </p>
        <p>
            <label for="java">Java</label>
            <input type="checkbox" id="java" name="skills" value="Java">
        </p>
        <p>
            <label for="csharp">C#</label>
            <input type="checkbox" id="csharp" name="skills" value="C#">
        </p>
        <label for="extracurricular"><h2>Extracurricular Activities</h2></label>
        <textarea id="extracurricular" class="inputclass" name="extracurricular"
rows="4"></textarea>

        <label for="nationality"><h2>Nationality</h2></label>
        <select id="nationality" class="inputclass" name="nationality" required>
            <option value="select">Select</option>
            <option value="us">United States</option>
            <option value="uk">United Kingdom</option>
            <option value="india">India</option>
        </select>
        <button type="submit">Submit</button>
        <button type="reset">Reset</button>
    </form>
</body>
</html>

```

```
</form>
</body>
</html>
```

OUTPUT:

Student Bio Data

Name

Address

Gender

Male

☐

Female

☐

Skill Sets Known:

C

☐

C++

☐

Java

☐

C#

☐

Extracurricular Activities

Nationality

Select

▼

Submit

Reset

PROGRAM 14

NAME -Lalit singh
COURSE -MCA 1st Sem
ROLL NO -2351027
SUBJECT -Full Stack Development Laboratory (PMC-101)

OBJECTIVE: Design the following static web pages required for an online bookstore web site.

- a) HOME PAGE: The static home page must contain three frames.
- b) LOGIN PAGE
- c) CATALOGUE PAGE: The catalogue page should contain the
- d) details of all the books available in the web site in a table.
- e) REGISTRATION PAGE

HTML CODE:

1. Index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Online Bookstore - Home</title>
</head>
<frameset rows="50%,50%">

  <frameset cols="50%,50%">
    <frame src="header.html" name="header" scrolling="no" noresize>
    <frame src="footer.html" name="footer" scrolling="no" noresize>
  </frameset>
  <frame src="content.html" name="main" scrolling="auto" noresize>
</frameset>
</html>
```

2. Header.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Login - Online Bookstore</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      background-color: #f4f4f4;
      margin: 0;
      display: flex;
      align-items: center;
      justify-content: center;
      height: 100vh;
    }
  </style>
```

```

.login-container {
    background-color: #fff;
    border-radius: 8px;
    box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
    padding: 20px;
    width: 300px;
    text-align: center;
}

.login-container h2 {
    color: #333;
}

.login-form {
    margin-top: 20px;
}

.form-group {
    margin-bottom: 15px;
}

.form-group label {
    display: block;
    font-weight: bold;
    margin-bottom: 5px;
}

.form-group input {
    width: 100%;
    padding: 8px;
    box-sizing: border-box;
    border: 1px solid #ccc;
    border-radius: 4px;
}

.form-group input[type="submit"] {
    background-color: #4caf50;
    color: #fff;
    cursor: pointer;
}

.form-group input[type="submit"]:hover {
    background-color: #45a049;
}
</style>
</head>
<body>
    <div class="login-container">
        <h2>Login</h2>
        <form class="login-form" action="login.php" method="post">
            <div class="form-group">
                <label for="username">Username:</label>
                <input type="text" id="username" name="username" required>
            </div>
            <div class="form-group">
                <label for="password">Password:</label>
                <input type="password" id="password" name="password" required>
            </div>
        </form>
    </div>

```

```

        <div class="form-group">
            <input type="submit" value="Login">
        </div>
    </form>
</div>
</body>
</html>

```

3. Footer.html

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Register - Online Bookstore</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            background-color: #f4f4f4;
            margin: 0;
            display: flex;
            align-items: center;
            justify-content: center;
            height: 100vh;
        }

        .register-container {
            background-color: #fff;
            border-radius: 8px;
            box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
            padding: 20px;
            width: 300px;
            text-align: center;
        }

        .register-container h2 {
            color: #333;
        }

        .register-form {
            margin-top: 20px;
        }

        .form-group {
            margin-bottom: 15px;
        }

        .form-group label {
            display: block;
            font-weight: bold;
            margin-bottom: 5px;
        }

        .form-group input {
            width: 100%;
            padding: 8px;
            box-sizing: border-box;
            border: 1px solid #ccc;
        }
    </style>

```

```

        border-radius: 4px;
    }

    .form-group input[type="submit"] {
        background-color: #4caf50;
        color: #fff;
        cursor: pointer;
    }

    .form-group input[type="submit"]:hover {
        background-color: #45a049;
    }
</style>
</head>
<body>
    <div class="register-container">
        <h2>Register</h2>
        <form class="register-form" action="register.php" method="post">
            <div class="form-group">
                <label for="username">Username:</label>
                <input type="text" id="username" name="username" required>
            </div>
            <div class="form-group">
                <label for="password">Password:</label>
                <input type="password" id="password" name="password" required>
            </div>
            <div class="form-group">
                <label for="email">Email:</label>
                <input type="email" id="email" name="email" required>
            </div>
            <div class="form-group">
                <input type="submit" value="Register">
            </div>
        </form>
    </div>
</body>
</html>

```

4. Content.html

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Course Catalog - Online Bookstore</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            background-color: #f4f4f4;
            margin: 0;
            padding: 20px;
            box-sizing: border-box;
        }

        .catalog-container {
            background-color: #fff;
            border-radius: 8px;
            box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
        }
    </style>

```

```

        padding: 20px;
        text-align: center;
    }

.catalog-container h2 {
    color: #333;
}

table {
    width: 100%;
    border-collapse: collapse;
    margin-top: 20px;
}

th, td {
    border: 1px solid #ddd;
    padding: 8px;
    text-align: left;
}

th {
    background-color: #f2f2f2;
}
</style>
</head>
<body>
    <div class="catalog-container">
        <h2>Book Catalogue</h2>
        <table>
            <thead>
                <tr>
                    <th>Book Code</th>
                    <th>book Title</th>
                    <th>Writer</th>
                    <th>Price</th>
                </tr>
            </thead>
            <tbody>
                <tr>
                    <td>CSCI 101</td>
                    <td>Introduction to Computer Science</td>
                    <td>abc</td>
                    <td>1500</td>
                </tr>
                <tr>
                    <td>MATH 201</td>
                    <td>Calculus I</td>
                    <td>abc</td>
                    <td>1800</td>
                </tr>
                <tr>
                    <td>CSCI 101</td>
                    <td>Introduction to Computer Science</td>
                    <td>abc</td>
                    <td>1500</td>
                </tr>
                <tr>
                    <td>MATH 201</td>
                    <td>Calculus I</td>

```

```

        <td>abc</td>
        <td>1800</td>
    </tr>
    <tr>
        <td>CSCI 101</td>
        <td>Introduction to Computer Science</td>
        <td>abc</td>
        <td>1500</td>
    </tr>
    <tr>
        <td>MATH 201</td>
        <td>Calculus I</td>
        <td>abc</td>
        <td>1800</td>
    </tr>
</tbody>
</table>
</div>
</body>
</html>

```

5. Style.css

```

*{
    color: black;
}
.topnav{
    display: flex;
    flex-direction: row;
    align-items: center;

}
.topul{
    display: flex;
    flex-direction: row;
    margin-left: 22rem;

}
.topul li{
    margin-left: 40px;
    font-size: 30px;
}
nav img{
width: 100px;
height: 100px;
}
h1{
font-size: 45px;

}
ul{
    list-style: none;
    padding: 0;
}
a{
text-decoration: none;
}
p{
    font-size: 30px;
}

```

```

padding: 20px;
text-align: justify;
}
.leftnav{
display: flex;
flex-direction: column;
font-size: 30px;
align-items: center;
}

```

OUTPUT:

Login

Username:

Password:

Login

Register

Username:

Password:

Email:

Register

Book Code	book Title	Writer	Price
CSCI 101	Introduction to Computer Science	abc	1500
MATH 201	Calculus I	abc	1800
CSCI 101	Introduction to Computer Science	abc	1500
MATH 201	Calculus I	abc	1800
CSCI 101	Introduction to Computer Science	abc	1500
MATH 201	Calculus I	abc	1800

PROGRAM 15

NAME -Lalit singh
COURSE -MCA 1st Sem
ROLL NO -2351027
SUBJECT -Full Stack Development Laboratory (PMC-101)

OBJECTIVE: To validate the following fields of the Registration page.

- a) First Name (Name should contains alphabets and the length should not be less than 6 characters).
- b) Password (Password should not be less than 6 characters length).
- c) E-mail id (should not contain any invalid and must follow the standard pattern name@domain.com)
- d) Mobile Number (Phone number should contain 10 digits only).
- e) Last Name and Address (should not be Empty).

HTML CODE:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Registration Page</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      background-color: #f4f4f4;
      margin: 0;
      padding: 0;
      display: flex;
      justify-content: center;
      align-items: center;
      height: 100vh;
    }

    form {
      background-color: #fff;
      padding: 20px;
      border-radius: 8px;
      box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
      width: 300px;
    }

    label {
      display: block;
      margin-bottom: 8px;
    }

    input,
    textarea {
      width: 100%;
      padding: 8px;
    }
```



```

        margin-bottom: 12px;
        box-sizing: border-box;
        border: 1px solid #ccc;
        border-radius: 4px;
    }

    input[type="submit"] {
        background-color: #4caf50;
        color: #fff;
        cursor: pointer;
    }

    input[type="submit"]:hover {
        background-color: #45a049;
    }

    .error {
        color: red;
        margin-bottom: 10px;
    }
</style>
<script>
    function validateForm() {

        var firstName = document.getElementById('firstName').value;
        var password = document.getElementById('password').value;
        var email = document.getElementById('email').value;
        var mobileNumber = document.getElementById('mobileNumber').value;
        var lastName = document.getElementById('lastName').value;
        var address = document.getElementById('address').value;

        if (!/^[a-zA-Z]{6,}$/.test(firstName)) {
            alert('First Name should contain alphabets and be at least 6
characters long. ');
            return false;
        }

        if (password.length < 6) {
            alert('Password should be at least 6 characters long. ');
            return false;
        }

        var emailPattern = /^[^\\s@]+@[^\\s@]+\\. [^\\s@]+$/;
        if (!emailPattern.test(email)) {
            alert('Invalid email format. Please use name@domain.com. ');
            return false;
        }

        if (!/^\\d{10}$/.test(mobileNumber)) {
            alert('Mobile Number should contain 10 digits only. ');
            return false;
        }

        if (lastName.trim() === '' || address.trim() === '') {
            alert('Last Name and Address should not be empty. ');
        }
    }
</script>

```

```

        return false;
    }

    alert('Form submitted successfully!');
    return true;
}
</script>
</head>
<body>

<form onsubmit="return validateForm()">
    <label for="firstName">First Name:</label>
    <input type="text" id="firstName" name="firstName" ><br>

    <label for="password">Password:</label>
    <input type="password" id="password" name="password" ><br>

    <label for="email">E-mail:</label>
    <input type="email" id="email" name="email"><br>

    <label for="mobileNumber">Mobile Number:</label>
    <input type="text" id="mobileNumber" name="mobileNumber"><br>

    <label for="lastName">Last Name:</label>
    <input type="text" id="lastName" name="lastName" ><br>

    <label for="address">Address:</label>
    <textarea id="address" name="address" rows="4" cols="50" ></textarea><br>

    <input type="submit" value="Submit">
</form>

</body>
</html>

```

OUTPUT:

The screenshot shows a web browser window with a dark header bar that says "127.0.0.1:5500 says". Below the header, a message box displays the error: "First Name should contain alphabets and be at least 6 characters long." with an "OK" button. The form itself contains the following fields and values:

- First Name: Lalit (highlighted in blue)
- Password: ... (password field)
- E-mail: l4litsingh@gmail.com
- Mobile Number: 7900944181 (highlighted in blue)
- Last Name: singh
- Address: Carroad, bindukhatta (highlighted in blue)

A green "Submit" button is located at the bottom of the form.

PROGRAM 16

NAME -Lalit singh
COURSE -MCA 1st Sem
ROLL NO -2351027
SUBJECT -Full Stack Development Laboratory (PMC-101)

OBJECTIVE: To demonstrate the usage of inline, internal, and external style sheet using CSS.

HTML CODE:

1. Index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>CSS Styles</title>
  <style>
    h2 {
      color: green;
    }

    p {
      font-size: 18px;
    }
  </style>
  <link rel="stylesheet" href="style.css">
</head>
<body>
  <div style="background-color: blanchedalmond;">
    <h1 style="color: blue;"> Inline Style Css</h1>
    <p>
      Lorem ipsum dolor sit amet, consectetur adipisicing elit.
      Necessitatibus dolorem maxime blanditiis fuga saepe quas praesentium, rerum
      expedita fugiat. Quisquam saepe tempore nobis, a nisi odit laborum unde ut velit.
    </p>
    <h1 style="color: blue;">This is a Heading with Inline Style</h1>
    <p>
      Lorem ipsum dolor sit amet, consectetur adipisicing elit.
      Necessitatibus dolorem maxime blanditiis fuga saepe quas praesentium, rerum
      expedita fugiat. Quisquam saepe tempore nobis, a nisi odit laborum unde ut velit.
    </p>
  </div>
  <div>
    <h1>Internal CSS</h1>
    <h2>This is a Heading with Internal Style</h2>
    <p>Lorem ipsum dolor sit, amet consectetur adipisicing elit. Corrupti ex
    ipsum dolor minus, repudiandae eum at qui commodi consectetur nobis deserunt
    explicabo corporis placeat! Ad iure laudantium sequi debitis qui!</p></div>
  <div>
    <h1>External Css</h1>
    <h3>This is a Heading with External Style</h3>
```

```
<P>Lorem ipsum dolor sit amet consectetur adipisicing elit. Architecto  
similique unde mollitia eius neque! Sint illo minus tenetur in unde aspernatur,  
voluptate eveniet architecto, quod dolor nostrum, culpa ullam officiis?</P>  
</div>  
</body>  
</html>
```

2. Style.css

```
h3 {  
    color: purple;  
}  
  
div {  
    border: 2px solid #333;  
    padding: 10px;  
    margin: 20px;  
}
```

OUTPUT:

Inline Style Css

Lorem ipsum dolor sit amet, consectetur adipisicing elit. Necessitatibus dolorem maxime blanditiis fuga saepe quas praesentium, rerum expedita fugiat. Quisquam saepe tempore nobis, a nisi odit laborum unde ut velit.

This is a Heading with Inline Style

Lorem ipsum dolor sit amet, consectetur adipisicing elit. Necessitatibus dolorem maxime blanditiis fuga saepe quas praesentium, rerum expedita fugiat. Quisquam saepe tempore nobis, a nisi odit laborum unde ut velit.

Internal CSS

This is a Heading with Internal Style

Lorem ipsum dolor sit, amet consectetur adipisicing elit. Corrupti ex ipsum dolor minus, repudiandae eum at qui commodi consectetur nobis deserunt explicabo corporis placeat! Ad iure laudantium sequi debitis qui!

External Css

This is a Heading with External Style

Lorem ipsum dolor sit amet consectetur adipisicing elit. Architecto similique unde mollitia eius neque! Sint illo minus tenetur in unde aspernatur, voluptate eveniet architecto, quod dolor nostrum, culpa ullam officiis?

PROGRAM 17

NAME -Lalit singh
COURSE -MCA 1st Sem
ROLL NO -2351027
SUBJECT -Full Stack Development Laboratory (PMC-101)

OBJECTIVE: To Write a PHP program to store current date-time in a **COOKIE** and display the 'Last visited on' date-time on the web page upon reopening of the same page.

PHP CODE:

```
<?php

function setVisitCookie() {
    $cookie_name = "last_visited";
    $current_date_time = date("Y-m-d H:i:s");
    setcookie($cookie_name, $current_date_time, time() + (86400 * 30), "/"); //
Cookie set to expire in 30 days
}
if (!isset($_COOKIE["last_visited"])) {
    setVisitCookie();
} else {
    $last_visited = $_COOKIE["last_visited"];
    echo "Last visited on: " . $last_visited;
    setVisitCookie();
}
?>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Last Visited Example</title>
</head>
<body>
    <h1>Welcome to the Page</h1>
    <p>This page will display the last visited date and time.</p>
</body>
</html>
```

OUTPUT:

Last visited on: 2023-12-09 15:06:47

Welcome to the Page

This page will display the last visited date and time.

PROGRAM 18

NAME -Lalit singh
COURSE -MCA 1st Sem
ROLL NO -2351027
SUBJECT -Full Stack Development Laboratory (PMC-101)

OBJECTIVE: To write a PHP program to store page views count in SESSION, to increment the count on each refresh, and to show the count on web page.

PHP CODE:

```
<?php
session_start();
if (!isset($_SESSION['page_views'])) {
    $_SESSION['page_views'] = 1;
} else {
    $_SESSION['page_views']++;
}
$page_views = $_SESSION['page_views'];
echo "Page views: " . $page_views;
?>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Page Views Example</title>
</head>
<body>
    <h1>Welcome to the Page</h1>
    <p>This page has been visited <?php echo $page_views; ?> times.</p>
</body>
</html>
```

OUTPUT:

Page views: 3

Welcome to the Page

This page has been visited 3 times.

PROGRAM 19

NAME -Lalit singh

COURSE -MCA 1st Sem

ROLL NO -2351027

SUBJECT -Full Stack Development Laboratory (PMC-101)

OBJECTIVE: To create a HTML form, add the data into it and submit it to the database by connecting it to MySQL database using PHP.

PHP CODE:

1. Index.php

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>User Registration Form</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      background-color: #f4f4f4;
      margin: 0;
      display: flex;
      flex-direction: column;
      align-items: center;
      justify-content: center;
      height: 100vh;
    }

    h1 {
      text-align: center;
      color: #333;
    }

    form {
      background-color: #fff;
      border-radius: 8px;
      box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
      padding: 20px;
      width: 300px;
      text-align: center;
    }

    label {
      display: block;
      margin: 10px 0;
      color: #333;
    }

    input {
      width: 100%;
      padding: 8px;
      box-sizing: border-box;
      margin-bottom: 15px;
    }
  </style>
</head>
<body>
  <h1>User Registration</h1>
  <form>
    <label>Name</label>
    <input type="text">
    <label>Email</label>
    <input type="email">
    <label>Password</label>
    <input type="password">
    <label>Confirm Password</label>
    <input type="password">
    <input type="submit" value="Register">
  </form>
</body>
</html>
```

```

        input[type="submit"] {
            background-color: #4caf50;
            color: #fff;
            cursor: pointer;
        }

        input[type="submit"]:hover {
            background-color: #45a049;
        }
    </style>
</head>
<body>
    <h1>User Registration Form</h1>

    <form action="abc.php" method="post">
        <label for="name">Name:</label>
        <input type="text" id="name" name="name" required>

        <label for="name">Password:</label>
        <input type="password" id="pass" name="pass" required>

        <label for="email">Email:</label>
        <input type="email" id="email" name="email" required>
        <label for="email">age:</label>
        <input type="number" id="age" name="age" required>

        <input type="submit" value="Submit">
    </form>
</body>
</html>

```

2. Abc.php

```

<?php
$servername = "localhost";
$username = "root";
$password = "";
$dbname = "mca";
$conn = new mysqli($servername, $username, $password, $dbname);
if ($conn->connect_error) {
    die("Connection failed: " . $conn->connect_error);
}
$name = $_POST["name"];
$email = $_POST["email"];
$pass = $_POST["pass"];
$age = $_POST["age"];
$sql = "INSERT INTO users (name, email, age, pass) VALUES ('$name', '$email', '$age', '$pass')";
if ($conn->query($sql) === TRUE) {
    echo "New record created successfully";
    echo "<h2>Records in the Database</h2>";
    echo "<table border='1'>";
    echo "<tr><th>Name</th><th>Email</th><th>Age</th><th>Password</th></tr>";
    $selectQuery = "SELECT * FROM users";
    $result = $conn->query($selectQuery);

    if ($result->num_rows > 0) {
        while ($row = $result->fetch_assoc()) {

```

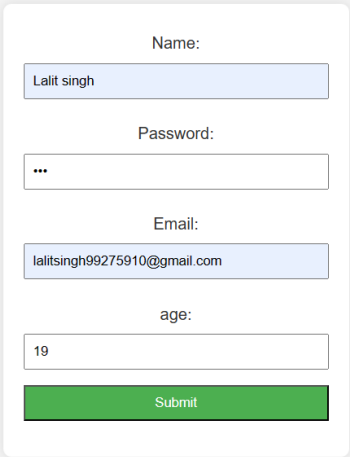


```

        echo "<tr><td>" . $row["name"] . "</td><td>" . $row["email"] .
"</td><td>" . $row["age"] . "</td><td>" . $row["pass"] . "</td></tr>";
    }
    } else {
        echo "<tr><td colspan='4'>No records found</td></tr>";
    }
    echo "</table>";
} else {
    echo "Error: " . $sql . "<br>" . $conn->error;
}
$conn->close();
?>

```

OUTPUT:



User Registration Form

Name:

Password:

Email:

age:

New record created successfully

Records in the Database

Name	Email	Age	Password
Lalit singh	lalitsingh99275910@gmail.com	21	123
Lalit singh	lalitsingh99275910@gmail.com	19	123

PROGRAM 20

NAME -Lalit singh
COURSE -MCA 1st Sem
ROLL NO -2351027
SUBJECT -Full Stack Development Laboratory (PMC-101)

OBJECTIVE: To create a basic CRUD application using PHP and MySQL.

PHP CODE:

1. Index.php

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>CRUD Application - List Records</title>
</head>
<body>
    <h2>List of Users</h2>
    <?php
        $servername = "localhost";
        $username = "root";
        $password = "";
        $dbname = "mca";
        $conn = new mysqli($servername, $username, $password, $dbname);
        if ($conn->connect_error) {
            die("Connection failed: " . $conn->connect_error);
        }
        $selectQuery = "SELECT * FROM users";
        $result = $conn->query($selectQuery);

        if ($result->num_rows > 0) {
            echo "<table border='1'>";
            echo
            "<tr><th>Name</th><th>Email</th><th>Age</th><th>Password</th><th>Action</th></tr>"
            ;
            while ($row = $result->fetch_assoc()) {
                echo "<tr>";
                echo "<td>" . $row["name"] . "</td>";
                echo "<td>" . $row["email"] . "</td>";
                echo "<td>" . $row["age"] . "</td>";
                echo "<td>" . $row["pass"] . "</td>";
                echo "<td><a href='edit.php?email=" . $row["email"] . "'>Edit</a> | <a
href='delete.php?email=" . $row["email"] . "'>Delete</a></td>";
                echo "</tr>";
            }
            echo "</table>";
        } else {
            echo "No records found";
        }
        $conn->close();
    ?>
    <p><a href="add.php">Add New User</a></p>
</body>
</html>
```

2. Update.php

```
<?php
$servername = "localhost";
$username = "root";
$password = "";
$dbname = "mca";
$conn = new mysqli($servername, $username, $password, $dbname);
if ($conn->connect_error) {
    die("Connection failed: " . $conn->connect_error);
}
$email = $_POST["email"];
$name = $_POST["name"];
$pass = $_POST["pass"];
$age = $_POST["age"];
$sql = "UPDATE users SET name='$name', age='$age', pass='$pass' WHERE
email='$email'";
if ($conn->query($sql) === TRUE) {
    echo "Record updated successfully";
} else {
    echo "Error updating record: " . $conn->error;
}
$conn->close();
header("Location: index.php"); // Redirect to the list after updating the record
exit();
?>
```

3. Insert.php

```
<?php
$servername = "localhost";
$username = "root";
$password = "";
$dbname = "mca";
$conn = new mysqli($servername, $username, $password, $dbname);
if ($conn->connect_error) {
    die("Connection failed: " . $conn->connect_error);
}
$name = $_POST["name"];
$email = $_POST["email"];
$pass = $_POST["pass"];
$age = $_POST["age"];

$sql = "INSERT INTO users (name, email, age, pass) VALUES ('$name', '$email',
'$age', '$pass')";

if ($conn->query($sql) === TRUE) {
    echo "New record created successfully";
} else {
    echo "Error: " . $sql . "<br>" . $conn->error;
}

$conn->close();

header("Location: index.php"); // Redirect to the list after adding a new record
exit();
?>
```

4. Edit.php

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>CRUD Application - Edit User</title>
</head>
<body>
    <h2>Edit User</h2>
    <?php
    $servername = "localhost";
    $username = "root";
    $password = "";
    $dbname = "mca";
    $conn = new mysqli($servername, $username, $password, $dbname);
    if ($conn->connect_error) {
        die("Connection failed: " . $conn->connect_error);
    }

    $email = $_GET["email"];
    $selectQuery = "SELECT * FROM users WHERE email = '$email'";
    $result = $conn->query($selectQuery);

    if ($result->num_rows > 0) {
        $row = $result->fetch_assoc();
        ?>
        <form action="update.php" method="post">
            <input type="hidden" name="email" value="<?php echo $row['email']; ?>">

            <label for="name">Name:</label>
            <input type="text" id="name" name="name" value="<?php echo $row['name'];
?>" required>
            <br>
            <label for="age">Age:</label>
            <input type="number" id="age" name="age" value="<?php echo $row['age'];
?>" required>
            <br>

            <label for="pass">Password:</label>
            <input type="password" id="pass" name="pass" value="<?php echo
$row['pass']; ?>" required>
            <br>

            <input type="submit" value="Update User">
        </form>
        <?php
        } else {
            echo "No record found";
        }
        $conn->close();
        ?>
        <p><a href="index.php">Back to List</a></p>
    </body>
</html>
```

5. Add.php

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>CRUD Application - Add User</title>
</head>
<body>
    <h2>Add New User</h2>

    <form action="insert.php" method="post">
        <label for="name">Name:</label>
        <input type="text" id="name" name="name" required>
        <br>

        <label for="email">Email:</label>
        <input type="email" id="email" name="email" required>
        <br>

        <label for="age">Age:</label>
        <input type="number" id="age" name="age" required>
        <br>

        <label for="pass">Password:</label>
        <input type="password" id="pass" name="pass" required>
        <br>
        <input type="submit" value="Add User">
    </form>
    <p><a href="index.php">Back to List</a></p>
</body>
</html>
```

6. Delete.php

```
<?php
$servername = "localhost";
$username = "root";
$password = "";
$dbname = "mca";

$conn = new mysqli($servername, $username, $password, $dbname);

if ($conn->connect_error) {
    die("Connection failed: " . $conn->connect_error);
}

$email = $_GET["email"];

$sql = "DELETE FROM users WHERE email='$email'";

if ($conn->query($sql) === TRUE) {
    echo "Record deleted successfully";
} else {
    echo "Error deleting record: " . $conn->error;
}

$conn->close();
```

```
header("Location: index.php");
exit();
?>
```

OUTPUT:

List of Users

No records found

[Add New User](#)

Add New User

Name:

Email:

Age:

Password:

[Back to List](#)

List of Users

Name	Email	Age	Password	Action
Lalit singh	lalitsingh99275910@gmail.com	20	123	Edit Delete

[Add New User](#)

Edit User

Name:

Age:

Password:

[Back to List](#)

List of Users

Name	Email	Age	Password	Action
Lalit	lalitsingh99275910@gmail.com	20	123	Edit Delete

[Add New User](#)

PROGRAM 21

NAME -Lalit singh

COURSE -MCA 1st Sem

ROLL NO -2351027

SUBJECT -Full Stack Development Laboratory (PMC-101)

OBJECTIVE: To design a calculator with the help of HTML and JavaScript

Index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Simple Calculator</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      background-color: #f4f4f4;
      display: flex;
      justify-content: center;
      align-items: center;
      height: 100vh;
      margin: 0;
    }

    #calculator {
      background-color: #fff;
      border: 1px solid #ccc;
      border-radius: 8px;
      padding: 20px;
      width: 250px;
      box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
    }

    input[type="text"] {
      width: 100%;
      padding: 10px;
      margin-bottom: 10px;
      box-sizing: border-box;
      font-size: 1.5em;
    }

    input[type="button"] {
      width: 48px;
      height: 48px;
      font-size: 1.2em;
      margin: 5px;
      cursor: pointer;
    }
  </style>
</head>
<body>
  <div id="calculator">
    <input type="text" value="0"/>
    <div>
      <input type="button" value="+"/>
      <input type="button" value="-"/>
      <input type="button" value="x"/>
      <input type="button" value="/"/>
      <input type="button" value="C"/>
      <input type="button" value="=" />
    </div>
  </div>
</body>
</html>
```

```

        #result {
            font-size: 1.5em;
            margin-top: 10px;

            padding: 15px 0 0 10px;
            height: 40px;
            border: 1px solid #ccc;
        }
    </style>
</head>
<body>
    <div id="calculator">
        <h3>Calculator</h3>
        <input type="text" id="display" readonly>
        <div id="result"></div>
        <br>
        <input type="button" value="7" onclick="appendToDisplay('7')">
        <input type="button" value="8" onclick="appendToDisplay('8')">
        <input type="button" value="9" onclick="appendToDisplay('9')">
        <input type="button" value="/" onclick="appendToDisplay('/')">
        <br>
        <input type="button" value="4" onclick="appendToDisplay('4')">
        <input type="button" value="5" onclick="appendToDisplay('5')">
        <input type="button" value="6" onclick="appendToDisplay('6')">
        <input type="button" value="*" onclick="appendToDisplay('*')">
        <br>
        <input type="button" value="1" onclick="appendToDisplay('1')">
        <input type="button" value="2" onclick="appendToDisplay('2')">
        <input type="button" value="3" onclick="appendToDisplay('3')">
        <input type="button" value="-" onclick="appendToDisplay('-')">
        <br>
        <input type="button" value="0" onclick="appendToDisplay('0')">
        <input type="button" value="." onclick="appendToDisplay('.')">
        <input type="button" value="=" onclick="calculate()">
        <input type="button" value="+" onclick="appendToDisplay('+')">
        <br>
        <input type="button" value="C" onclick="clearDisplay()">
    </div>

    <script>
        function appendToDisplay(value) {
            document.getElementById("display").value += value;
        }

        function clearDisplay() {
            document.getElementById("display").value = "";
            document.getElementById("result").innerText = "";
        }

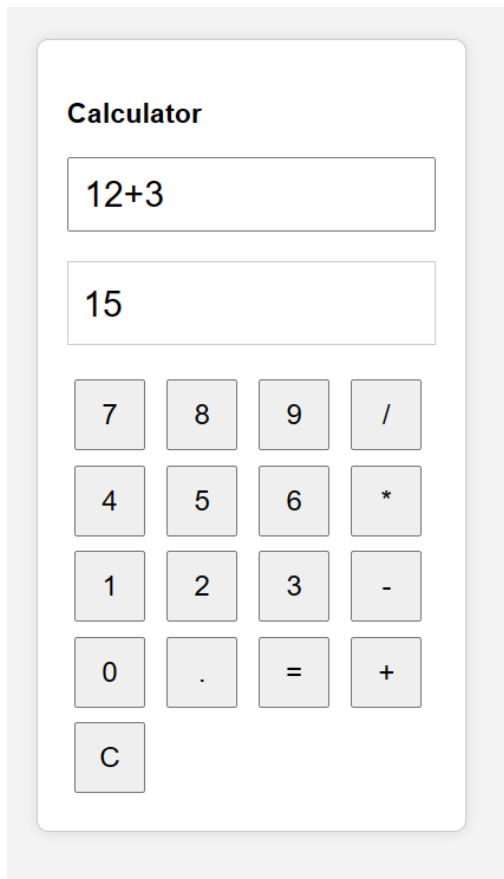
        function calculate() {
            try {
                const result = eval(document.getElementById("display").value);
                document.getElementById("result").innerText = result;
            } catch (error) {

```



```
        document.getElementById("result").innerText = "Error";
    }
}
</script>
</body>
</html>
```

OUTPUT:



PROGRAM 22

NAME -Lalit singh
COURSE -MCA 1st Sem
ROLL NO -2351027
SUBJECT -Full Stack Development Laboratory (PMC-101)

OBJECTIVE: To Design a web page with the help of three textboxes to add two numbers and display their sum in third textbox using JavaScript.

HTML CODE:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Addition Calculator</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      background-color: #f4f4f4;
      display: flex;
      justify-content: center;
      align-items: center;
      height: 100vh;
      margin: 0;
    }

    #calculator {
      background-color: #fff;
      border: 1px solid #ccc;
      border-radius: 8px;
      width: 50vw;
      padding: 20px;
      box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
    }

    input[type="text"] {
      width: 100%;
      padding: 10px;
      margin-bottom: 10px;
      box-sizing: border-box;
      font-size: 1.5em;
    }

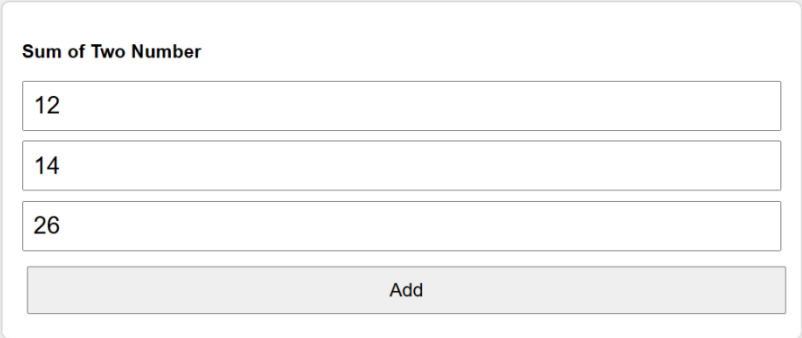
    input[type="button"] {
      width: 100%;
      height: 48px;
      font-size: 1.2em;
      margin: 5px;
      cursor: pointer;
    }
  </style>
</head>
<body>
```

```
<div id="calculator">
  <h3>Sum of Two Number</h3>
  <input type="text" id="num1" placeholder="Enter number 1">
  <input type="text" id="num2" placeholder="Enter number 2">
  <input type="text" id="result" readonly>
  <input type="button" value="Add" onclick="addNumbers()">
</div>

<script>
  function addNumbers() {
    var num1 = parseFloat(document.getElementById("num1").value);
    var num2 = parseFloat(document.getElementById("num2").value);

    if (!isNaN(num1) && !isNaN(num2)) {
      var sum = num1 + num2;
      document.getElementById("result").value = sum;
    } else {
      document.getElementById("result").value = "Invalid input";
    }
  }
</script>
</body>
</html>
```

OUTPUT



Sum of Two Number

12

14

26

Add

PROGRAM 23

NAME -Lalit singh
COURSE -MCA 1st Sem
ROLL NO -2351027
SUBJECT -Full Stack Development Laboratory (PMC-101)

OBJECTIVE: To Write a program in PHP to demonstrate the use of GET, POST and REQUEST variable.

PHP CODE:

1. Index.php

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>PHP Form Demo</title>
</head>
<body>
    <h2>PHP Form Demo</h2>
    <form action="process.php" method="post">
        <label for="name">Name:</label>
        <input type="text" id="name" name="name">
        <br>
        <br>

        <label for="email">Email:</label>
        <input type="email" id="email" name="email">
        <br>
        <br>

        <input type="submit" value="Submit with POST">
    </form>
    <br><br>
    <form action="process.php" method="get">
        <label for="name">Name:</label>
        <input type="text" id="name" name="name">
        <br>
        <br>

        <label for="email">Email:</label>
        <input type="email" id="email" name="email">
        <br>
        <br>

        <input type="submit" value="Submit with GET">
    </form>
</body>
</html>
```

2. Process.php

```
<?php
if ($_SERVER["REQUEST_METHOD"] == "POST" || $_SERVER["REQUEST_METHOD"] ==
"GET") {
    $name = $_REQUEST["name"];
    $email = $_REQUEST["email"];

    echo "<h1>Form Data Submitted:</h1>";
    echo "<h2>Reading Data through REQUEST Variable</h2>";
    echo "<p>Name: $name</p>";
    echo "<p>Email: $email</p>";
    echo "<br>";
}
if ($_SERVER["REQUEST_METHOD"] == "POST" ){
    $name1 = $_POST["name"];
    $email1 = $_POST["email"];
    echo "<h2>Reading Data through POST Variable</h2>";
    echo "<p>Name: $name</p>";
    echo "<p>Email: $email</p>";

}
if ($_SERVER["REQUEST_METHOD"] == "GET" ){
    $name1 = $_GET["name"];
    $email1 = $_GET["email"];
    echo "<h2> Reading Data through GET Variable</h2>";
    echo "<p>Name: $name</p>";
    echo "<p>Email: $email</p>";

}
?>
```

OUTPUT:

Form Data Submitted:

Reading Data through REQUEST Variable

Name: Lalit singh

Email: lalitsingh99275910@gmail.com

Reading Data through POST Variable

Name: Lalit singh

Email: lalitsingh99275910@gmail.com

PROGRAM 24

NAME -Lalit singh
COURSE -MCA 1st Sem
ROLL NO -2351027
SUBJECT -Full Stack Development Laboratory (PMC-101)

OBJECTIVE: To design a calculator with the help of HTML and JavaScript.

OUTPUT:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Factorial Calculator</title>
</head>
<body>
    <h2>Factorial Calculator</h2>
    <form action="" method="post">
        <label for="number">Enter a number:</label>
        <input type="number" id="number" name="number" required>
        <input type="submit" value="Calculate Factorial">
    </form>

    <?php
function calculateFactorial($n) {
    if ($n == 0 || $n == 1) {
        return 1;
    } else {
        return $n * calculateFactorial($n - 1);
    }
}

if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $number = $_POST["number"];

    if (is_numeric($number) && $number >= 0) {
        $factorial = calculateFactorial($number);
        echo "<p>Factorial of $number is: $factorial</p>";
    } else {
        echo "<p>Please enter a non-negative numeric value.</p>";
    }
}
?>
</body>
</html>
```

OUTPUT:

Factorial Calculator

Enter a number:

Factorial of 11 is: 39916800