Web Application Development

Assignment – 10

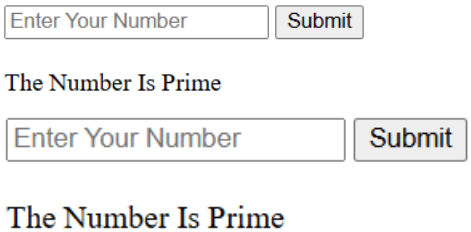
Form Handling, Database Operation, Session, Cookie, File Inclusion

1. **Design an HTML form to accept a number. With the help of a PHP script check if the number is a prime number. Submit the form to the same page and display message.**

CODE:

```
<!-- Name: Sunil Kumar Sahoo -->
 <!-- Sic: 23MMCI38 -->
  <!-- Roll: 16 -->
  <!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Prime Number Check</title>
</head>
<body>
    <form action="q001.php" method="post">
        <input type="text" name="number" id="number" placeholder="Enter Your Number">
        <input type="submit" name="submit" id="submit">
    </form>
    <br>
    <?php
    function isPrime($n){
        for($i=2; $i<=$n/2; $i++){
            if($n % $i == 0){
                return false;
            }
        }
        return true;
    }
    if(isset($_POST['submit'])){
        $n = $_POST["number"];
        echo isPrime($n)? "The Number Is Prime" : "The Number Is Not Prime";
    }
    ?>
</body>
</html>
```

OUTPUT:



NAME: SUNIL KUMAR SAHOO
SIC NO: 23MMCI38
Roll No: 16 (A2)

2. **Design a simple calculator using HTML. Two textboxes to take two numbers as input and one dropdown to select the operator. With the help of a PHP script display the result. Display the result on the same page.**

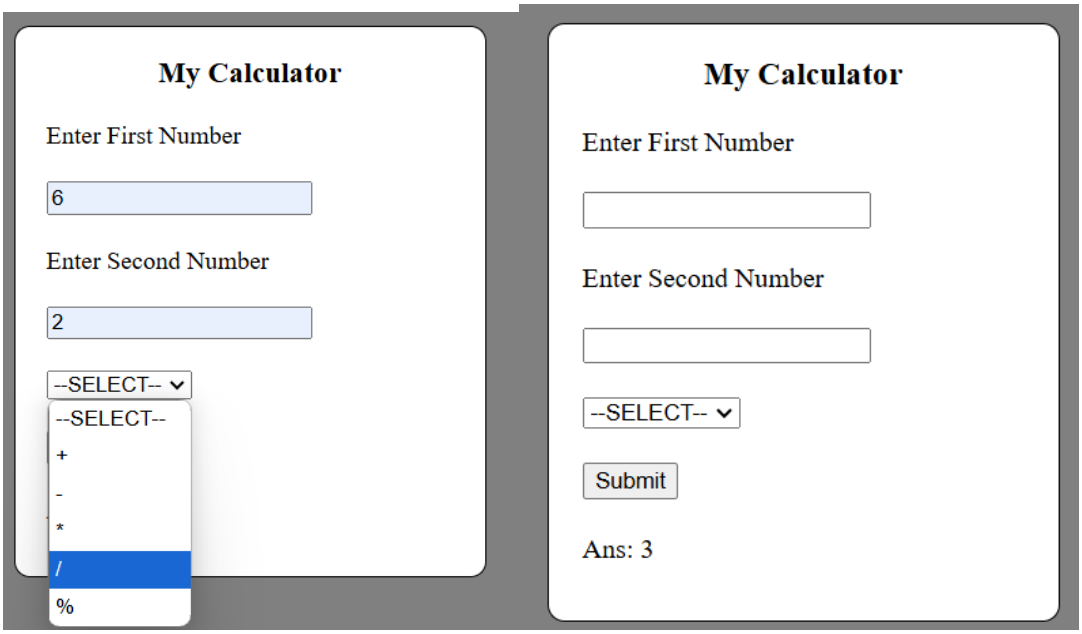
CODE:

```
<!-- Name: Sunil Kumar Sahoo -->
<!-- Sic: 23MMCI38 -->
<!-- Roll: 16 -->
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Simple PHP Calculator</title>
  <style>
    body{
      background-color: gray;
    }
    .container{
      height: 350px;
      width: 300px;
      background-color: white;
      border: 1px solid black;
      border-radius: 10px;
      margin: auto;
      margin-top:100px;
    }
    input, label, select{
      display: block;
      margin: 20px;
    }
    h3{
      text-align: center;
    }
    .ans{
      margin-left:20px;
    }
  </style>
</head>
<body>
  <div class="container">
    <h3>My Calculator</h3>
    <div class="f-container">
    <form action="q002.php" method = "post">
      <label for="">Enter First Number</label>
      <input type="text" name="num1" id="num1">
      <label for="">Enter Second Number</label>
      <input type="text" name="num2" id="num2">
      <select name="operator" id="operator">
        <option value="">--SELECT--</option>
        <option value="+">+</option>
```

```
            <option value="-">-</option>
            <option value="*">*</option>
            <option value="/">/</option>
            <option value="%">%</option>
        </select>
        <input type="submit" name="submit">
    </form>
    </div>
    <span class="ans">Ans:</span>
        <span id = "ans"></span>
    <?php
    function calculate($num1, $num2, $operator){
        $ans = 0;
        if($operator == "+"){
            $ans = $num1 + $num2;
        }
        elseif ($operator == "-") {
            $ans = $num1 - $num2;
        }
        elseif ($operator == "*") {
            $ans = $num1 * $num2;
        }
        elseif ($operator == "/") {
            $ans = $num1 / $num2;
        }
        else{
            $ans = $num1 % $num2;
        }
        return $ans;
    }
    if(isset($_POST["submit"])){
        $n1 = $_POST["num1"];
        $n2 = $_POST["num2"];
        $op = $_POST["operator"];
        $ans = calculate($n1, $n2, $op);
        ?>
        <script>
            let an=document.querySelector("#ans");
            an.textContent= <?php echo $ans ?>
        </script>
        <?php
    }
    ?>
  </div>
</body>
</html>
```

NAME: SUNIL KUMAR SAHOO
SIC NO: 23MMCI38
Roll No: 16 (A2)

OUTPUT:



3. **Consider the following associative array and create a dropdown menu. Use key and value appropriately. When form is submitted a message should be displayed showing the country code which is selected. If no country is selected display message accordingly. $countryCodes = array("US" => "United States", "CA" => "Canada", "GB" => "United Kingdom", "AU" => "Australia", "IN" => "India", "FR" => "France", "DE" => "Germany", "IT" => "Italy").**

CODE:

```
<!-- Name: Sunil Kumar Sahoo -->
<!-- Sic: 23MMCI38 -->
<!-- Roll: 16 -->
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>Country</title>
</head>
<body>
   <?php
   $countryCodes = array(
      "US" => "United States",
      "CA" => "Canada",
      "GB" => "United Kingdom",
      "AU" => "Australia",
      "IN" => "India",
      "FR" => "France",
      "DE" => "Germany",
      "IT" => "Italy"
   );
   ?>
   <form action="" method="post">
      <select name="country" id="country">
         <option value="">--SELECT--</option>
```

```
            <?php foreach ($countryCodes as $code => $country): ?>
                <option value="<?php echo $code; ?>"><?php echo $country; ?></option>
            <?php endforeach; ?>
        </select>
        <input type="submit" name="submit" id="">
    </form>
    <?php
    if (isset($_POST["submit"])) {
        $cn = $_POST["country"];
        if ($cn) {
            echo $cn . " is selected";
        } else {
            echo "No Country Selected!";
        }
    }
    ?>
</body>
</html>
```

OUTPUT:

--SELECT-- Submit

IN is selected

4. **Design a HTML page consisting of several fields like – Name, gender, date of birth, address(textarea), mobile, email, branch(drop down), language known(check box). Write a separate PHP script to access the data from the form created above and display the data.**

CODE:

```
<!-- Name: Sunil Kumar Sahoo -->
<!-- Sic: 23MMCI38 -->
<!-- Roll: 16 -->
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Form Page</title>
</head>
<body>
    <h1>Student Registration Form</h1>
    <form action="q004_ph.php" method="post">
        <label for="name">Name:</label>
        <input type="text" id="name" name="name" required><br><br>
        <label for="gender">Gender:</label>
        <input type="radio" id="male" name="gender" value="Male" required>
        <label for="male">Male</label>
        <input type="radio" id="female" name="gender" value="Female" required>
        <label for="female">Female</label><br><br>
        <label for="dob">Date of Birth:</label>
        <input type="date" id="dob" name="dob" required><br><br>
        <label for="address">Address:</label><br>
        <textarea id="address" name="address" rows="4" cols="30" required></textarea><br><br>
```

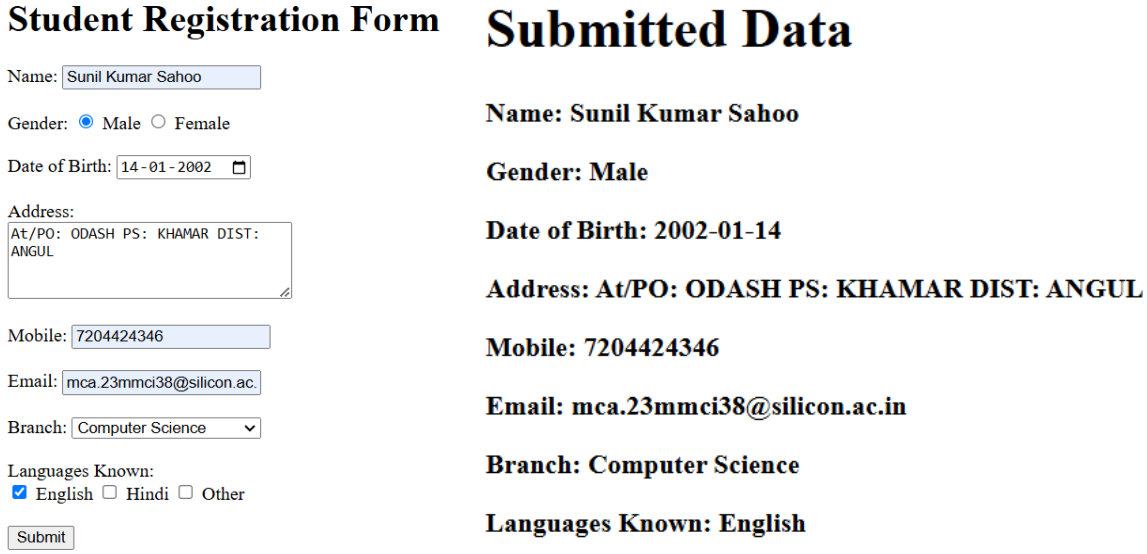
```
        <label for="mobile">Mobile:</label>
        <input type="tel" id="mobile" name="mobile" pattern="[0-9]{10}" required><br><br>
        <label for="email">Email:</label>
        <input type="email" id="email" name="email" required><br><br>
        <label for="branch">Branch:</label>
        <select id="branch" name="branch" required>
          <option value="">--Select--</option>
          <option value="Computer Science">Computer Science</option>
          <option value="Information Technology">Information Technology</option>
          <option value="Electronics">Electronics</option>
          <option value="Mechanical">Mechanical</option>
        </select><br><br>
        <label>Languages Known:</label><br>
        <input type="checkbox" id="english" name="languages[]" value="English">
        <label for="english">English</label>
        <input type="checkbox" id="hindi" name="languages[]" value="Hindi">
        <label for="hindi">Hindi</label>
        <input type="checkbox" id="other" name="languages[]" value="Other">
        <label for="other">Other</label><br><br>
        <button type="submit" name="submit">Submit</button>
    </form>
</body>
</html>
```

PHP CODE:

```
<!-- Name: Sunil Kumar Sahoo -->
<!-- Sic: 23MMCI38 -->
<!-- Roll: 16 -->
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Form Data</title>
</head>
<body>
    <h1>Submitted Data</h1>
    <?php
    if (isset($_POST["submit"])) {
        $name = $_POST['name'] ?? '';
        $gender = $_POST['gender'] ?? '';
        $dob = $_POST['dob'] ?? '';
        $address = $_POST['address'] ?? '';
        $mobile = $_POST['mobile'] ?? '';
        $email = $_POST['email'] ?? '';
        $branch = $_POST['branch'] ?? '';
        $languages = $_POST['languages'] ?? [];
        $lang = implode(", ",$languages);
        ?>
        <p><strong>Name: <?php echo $name ?></strong> </p>
```

```
        <p><strong>Gender: <?php echo $gender ?></strong> </p>
        <p><strong>Date of Birth: <?php echo $dob ?></strong></p>
        <p><strong>Address: <?php echo $address ?></strong> </p>
        <p><strong>Mobile: <?php echo $mobile ?></strong> </p>
        <p><strong>Email: <?php echo $email ?></strong> </p>
        <p><strong>Branch: <?php echo $branch ?></strong> </p>
        <p><strong>Languages Known: <?php echo $lang ?></strong></p>
        <?php
    } else {
        echo "<p>No data submitted. Please fill out the form.</p>";
    }
    ?>
</body>
</html>
```

OUTPUT:



5. **Design a login form with email id and password field. If email id is jhon@gmail.com and password is "12345" redirect the user to a welcome page and display a welcome message. Otherwise redirect the user to the login page.**

CODE:

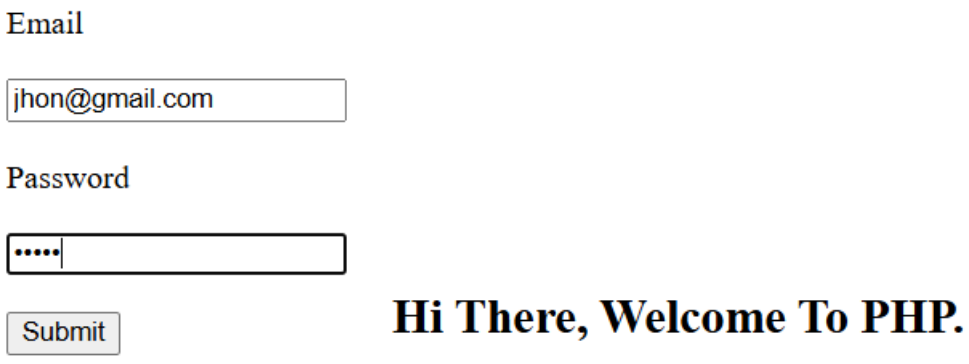
```
<!-- Name: Sunil Kumar Sahoo -->
<!-- Sic: 23MMCI38 -->
<!-- Roll: 16 -->
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Login Form</title>
</head>
<body>
    <div class="container">
        <form action="q005_ph.php" method ="post">
            <label for="email">Email</label><br><br>
            <input type="email" name="email" id="email" required><br><br>
            <label for="password">Password</label><br><br>
```

```
            <input type="password" name="password" id="password" required><br><br>
            <input type="submit" name="submit">
        </form>
    </div>
</body>
</html>
```

PHP CODE:

```
<!-- Name: Sunil Kumar Sahoo -->
<!-- Sic: 23MMCI38 -->
<!-- Roll: 16 -->
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Q5 - Welcome</title>
</head>
<body>
<?php
    if (isset($_POST["submit"])) {
        $email = $_POST["email"];
        $password = $_POST["password"];
        if ($email != "jhon@gmail.com" && $password != "12345") {
            header("location:q005.php");
        }
        else {
            echo "<h2>Hi There, Welcome To PHP.<h2>";
        }
    }
    ?>
</body>
</html>
```

OUTPUT:



6. **Write a PHP script where a user selects their Age from a dropdown (Under 18, 18-35, 36-50, Above 50). Based on the selected age group, redirect the user to different pages (e.g., teen.php, adult.php, middle□aged.php, or senior.php).**

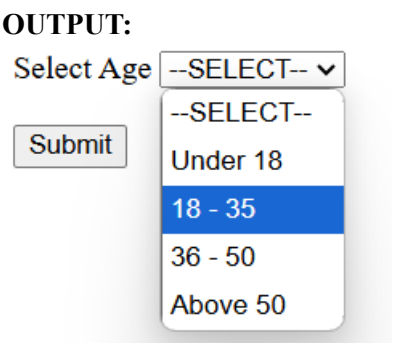
CODE:

```
<!-- Name: Sunil Kumar Sahoo -->
<!-- Sic: 23MMCI38 -->
<!-- Roll: 16 -->
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>Q5 - Welcome</title>
</head>
<body>
<?php
   if (isset($_POST["submit"])) {
      $email = $_POST["email"];
      $password = $_POST["password"];

      if ($email != "jhon@gmail.com" && $password != "12345") {

         header("location:q005.php");
      }
      else {
         echo "<h2>Hi There, Welcome To PHP.<h2>";
      }
   }
   ?>
</body>
</html>
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>User Age Select</title>
</head>
<body>
   <div class="container">
      <form action="" method="post">
         <label for="age">Select Age</label>
         <select name="age" id="age">
            <option value = "">--SELECT--</option>
            <option value="17">Under 18</option>
            <option value="35">18 - 35</option>
            <option value="50">36 - 50</option>
            <option value="51">Above 50</option>
         </select><br><br>
         <input type="submit" name="submit" id="submit">
```

```
        </form>
    </div>
    <?php
        if(isset($_POST["submit"])){
            $val = $_POST["age"];
            if ($val == 17) {
                header("location:q006_teen.php");
            }
            if ($val == 35) {
                header("location:q006_adult.php");
            }
            if ($val == 50) {
                header("location:q006_middle_aged.php");
            }
            if ($val == 51) {
                header("location:q006_senior.php");
            }
        }
    ?>
</body>
</html>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Teen Agers</title>
</head>
<body>
    <h2>You Are Teen Agers.</h2>
</body>
</html>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Senior Citizen</title>
</head>
<body>
    <h2>You Are Senior Citizen.</h2>
</body>
</html>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
    <title>Middle Age</title>
</head>
<body>
    <h2>You Are Middle Aged.</h2>
</body>
</html>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Adult</title>
</head>
<body>
    <h2>You Are Adult.</h2>
</body>
</html>
```

OUTPUT:



You Are Adult.

7. **Create CRUD application for Student Management System. Consider employee details like – Student ID, Name, Gender, DOB, Mobile, Email, Address, Department and CGPA. Student ID can be auto increment field in the database and will act as primary key. Mobile number and email address must be unique for each employee. Create respective fields in HTML to accept the data. Department can be a dropdown filed in the front-end having values like – CSE, CST, CEN, MSc and MCA. Display all the employee details in a tabular format and create three links – details, update and delete for each employee to perform the respective operations based on the student id. Use bootstrap to design the pages. For easy navigation design a navbar. Use PHP include whenever required.**

CODE:

INDEX:

```
<?php
include_once "navbar.php";
include_once "form.php";
include_once "footer.php";
?>
```

NAVBAR:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=">
```

```
    <title>Student Registration System</title>
    <link rel="stylesheet" href="./bootstrap-5.3.3-dist/css/bootstrap.min.css">
</head>
<body>
    <nav class="navbar navbar-expand-lg bg-body-tertiary">
        <div class="container-fluid">
          <a class="navbar-brand" href="index.php">SMS</a>
          <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-
target="#navbarNav" aria-controls="navbarNav" aria-expanded="false" aria-label="Toggle
navigation">
            <span class="navbar-toggler-icon"></span>
          </button>
          <div class="collapse navbar-collapse" id="navbarNav">
            <ul class="navbar-nav">
              <li class="nav-item">
                <a class="nav-link active" aria-current="page" href="index.php">Register</a>
              </li>
              <!-- <li class="nav-item">
                <a class="nav-link" href="#">Register</a>
              </li> -->
              <li class="nav-item">
                <a class="nav-link active" aria-current="page" href="display.php">Display</a>
              </li>
            </ul>
          </div>
        </div>
      </nav>
    <script src="./bootstrap-5.3.3-dist/js/bootstrap.bundle.min.js"></script>
</body>
</html>
```

FORM:

```
<?php
include_once "navbar.php";
?>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Submit Form</title>
    <link href="./bootstrap-5.3.3-dist/css/bootstrap.min.css" rel="stylesheet">
    <style>
        .container {
            max-width: 500px;
        }
    </style>
</head>
<body>
    <div class="container my-5">
```

```
        <h3 class="text-center mb-4 text-primary">Student Registration Form</h3>
        <form action="form_data.php" method="post">
          <div class="mb-3">
            <label class="form-label fs-5" for="name">Name:</label>
            <input class="form-control" type="text" name="name" id="name" required>
          </div>
          <div class="mb-3">
            <label class="form-label fs-5">Gender:</label>
            <div>
              <input type="radio" name="gender" id="gender_male" value="Male" required>
              <label for="gender_male">Male</label>
              <input type="radio" name="gender" id="gender_female" value="Female">
              <label for="gender_female">Female</label>
              <input type="radio" name="gender" id="gender_other" value="Other">
              <label for="gender_other">Other</label>
            </div>
          </div>
          <div class="mb-3">
            <label class="form-label fs-5" for="dob">D.O.B:</label>
            <input class="form-control" type="date" name="dob" id="dob" required>
          </div>
          <div class="mb-3">
            <label class="form-label fs-5" for="mobile">Mobile:</label>
            <input class="form-control" type="number" name="mobile" id="mobile" required>
          </div>
          <div class="mb-3">
            <label class="form-label fs-5" for="email">Email:</label>
            <input class="form-control" type="email" name="email" id="email" required>
          </div>
          <div class="mb-3">
            <label class="form-label fs-5" for="address">Address:</label>
            <textarea class="form-control" name="address" id="address" rows="3"
      required></textarea>
          </div>
          <div class="mb-3">
            <label class="form-label fs-5" for="department">Department:</label>
            <select class="form-select" name="department" id="department" required>
              <option value="" disabled selected>--SELECT--</option>
              <option value="CSE">CSE</option>
              <option value="CST">CST</option>
              <option value="CEN">CEN</option>
              <option value="MSC">MSC</option>
              <option value="MCA">MCA</option>
            </select>
          </div>
          <div class="mb-3">
            <label class="form-label fs-5" for="cgpa">CGPA:</label>
            <input class="form-control" type="number" name="cgpa" id="cgpa" step="0.01"
      required>
          </div>
```

```
            <div class="text-center">
               <input class="btn btn-primary mt-3" type="submit" name="submit" id="submit">
            </div>
         </form>
      </div>
      <script src="./bootstrap-5.3.3-dist/js/bootstrap.bundle.js"></script>
   </body>
   </html>
   <?php
   include_once "footer.php";
   ?>
```

FORM DATA:

```
<!-- Name: Sunil Kumar Sahoo -->
<!-- Sic: 23MMCI38 -->
<!-- Roll: 16 -->
<?php
if(isset($_POST["submit"])){
   $name = $_POST["name"];
   $gender = $_POST["gender"];
   $dob = $_POST["dob"];
   $mobile = $_POST["mobile"];
   $email = $_POST["email"];
   $address = $_POST["address"];
   $department = $_POST["department"];
   $cgpa = $_POST["cgpa"];
   require_once "functions.php";
   $response = addStudent($name, $gender, $dob, $mobile, $email, $address, $department, $cgpa);
   // header("location:form.php?status=$response");
   if($response){
      ?>
      <script>
         alert("Student Registration Successful.");
         window.location = "form.php";
      </script>
      <?php
   }else{
      ?>
      <script>
         alert("Something Went Wrong! Try Again Later.");
         window.location = "form.php";
      </script>
      <?php
   }

}
else {
   header("location: form.php");
}
?>
```

DBCONNECT:

```
<!-- Name: Sunil Kumar Sahoo -->
<!-- Sic: 23MMCI38 -->
<!-- Roll: 16 -->
<?php
$HOST = "127.0.0.1:3307";
$USERNAME = "root";
$PASSWORD = "";
$DB_NAME = "23mmci38";

$conn = new mysqli($HOST, $USERNAME, $PASSWORD, $DB_NAME);

if($conn->connect_error){
   die($conn->connect_error);
}
// else{
   // echo "Database Connected";
// }
?>
```

FUNCTIONS:

```
<!-- Name: Sunil Kumar Sahoo -->
<!-- Sic: 23MMCI38 -->
<!-- Roll: 16 -->
<?php
require_once "dbconnect.php";
function addStudent($name, $gender, $dob, $mobile, $email, $address, $department, $cgpa){
   global $conn;
   try{
      // Prepare Query
      $qry = "INSERT INTO student(name, gender, dob, mobile, email, address, department, cgpa)
VALUES(?, ?, ?, ?, ?, ?, ?, ?)";
      $stmt = $conn -> prepare($qry);
      // Bind Param
      $stmt -> bind_param("sssisssd", $name, $gender, $dob, $mobile, $email, $address,
$department, $cgpa);
      // Execute Query
      $status = $stmt -> execute();
      return $status;
   }
   catch(Exception $e){
      die($e -> getMessage());
   }
   finally{
      $conn -> close();
   }
}
function allStudents(){
   global $conn;
```

```
    try{
        $qry = "SELECT * FROM student";
        $stmt = $conn->prepare($qry);
        $stmt->execute();
        $result = $stmt->get_result();
        if($result -> num_rows > 0){
            return $result;
        }
        else{
            return false;
        }
    } catch(Exception $e){
        die($e -> getMessage());
    } finally{
        $conn -> close();
    }
}
function getStudentById($id){
    global $conn;
    try{
        $qry = "SELECT * FROM student WHERE id=?";
        $stmt = $conn->prepare($qry);
        $stmt->bind_param("i", $id);
        $stmt->execute();
        $result = $stmt->get_result();
        if($result ->num_rows > 0){
            return $result;
        }else{
            return false;
        }
    }catch(Exception $e){
        die($e->getMessage());
    }finally{
        $conn->close();
    }
}
function deleteStudentById($id){
    global $conn;
    try{
        $qry = "DELETE FROM student WHERE id=?";
        $stmt = $conn->prepare($qry);
        $stmt->bind_param("i", $id);
        $stmt->execute();

        if($conn->affected_rows > 0){
            return true;
        } else{
            return false;
        }
    }catch(Exception $e){
```

```
        die($e->getMessage());
    }finally{
        $conn->close();
    }
}
function updateStudent($name, $gender, $dob, $mobile, $email, $address, $department, $cgpa, $id){
    global $conn;
    try{
        $qry = "UPDATE student SET name=?, gender=?, dob=?, mobile=?, email=?, address=?,
department=?, cgpa=? WHERE id=?";
        $stmt = $conn->prepare($qry);
        $stmt->bind_param("sssisssdi", $name, $gender, $dob, $mobile, $email, $address, $department,
$cgpa, $id);
        $status = $stmt->execute();
        if($conn->affected_rows > 0){
            return true;
        }else{
            return false;
        }
    }catch(Exception $e){
        die($e -> getMessage());
    }finally{
        $conn -> close();
    }
}
?>
```

DISPLAY:

```
<!-- Name: Sunil Kumar Sahoo -->
<!-- Sic: 23MMCI38 -->
<!-- Roll: 16 -->
<?php
include_once "navbar.php";
?>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Display All Students</title>
    <style>
        .my-container{
            min-height: 75vh;
        }
    </style>
</head>
<body>
    <?php
    require_once "functions.php";
    $result = allStudents();
```

```
    if($result){
        ?>
        <div class="row my-container">
            <div class="col-md-6 mx-auto">
                <div class="table-responsive text-center">
                    <table class="table table-striped">
                        <!-- Table Header Part -->
                        <thead>
                            <tr>
                                <th>ID</th>
                                <th>NAME</th>
                                <th>ACTIONS</th>
                            </tr>
                        </thead>
                        <!-- Table Body Part -->
                        <tbody>
                            <?php
                            while($std = $result->fetch_assoc()){
                                // print_r($std);
                            ?>
                            <tr>
                                <td><?php echo $std["id"]?></td>
                                <td><?php echo $std["name"]?></td>
                                <td>
                                    <a href="details.php?id=<?php echo $std['id'] ?>" class="btn btn-sm btn-
info">Details</a>
                                    <a href="update.php?id=<?php echo $std['id'] ?>"  class="btn btn-sm btn-
warning">Update</a>
                                    <a href="delete.php?id=<?php echo $std['id'] ?>"  class="btn btn-sm btn-
danger">Delete</a>
                                </td>
                            </tr>
                            <?php
                            }
                            ?>
                        </tbody>
                    </table>
                </div>
            </div>
        </div>
        <?php
        } else{
            echo "<h2>No Data Found! Try Again Later.</h2>";
        }
    ?>
</body>
</html>
<?php
include_once "footer.php";
?>
```

NAME: SUNIL KUMAR SAHOO
SIC NO: 23MMCI38
Roll No: 16 (A2)

DETAILS:

```
<!-- Name: Sunil Kumar Sahoo -->
<!-- Sic: 23MMCI38 -->
<!-- Roll: 16 -->
<?php
include_once "navbar.php";
?>
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>Display Student Data By ID</title>
</head>
<body>
   <?php
   if (!isset($_GET["id"])) {
      header("location:display.php");
   }
   $id = $_GET["id"];
   require_once "functions.php";
   $result = getStudentById($id);
   if($result){
      $std = $result->fetch_assoc();
      ?>
      <div class="row">
         <div class="col-md-4 mx-auto">
            <div class="table-responsive">
               <table class="table table-striped">
                  <h2 class="text-center text-primary">Student Details</h2>
               <tr>
            <th>ID</th><td><?php echo $std["id"]?></td>
         </tr>
         <tr>
            <th>Name</th><td><?php echo $std["name"]?></td>
         </tr>
         <tr>
            <th>Gender</th><td><?php echo $std["gender"]?></td>
         </tr>
         <tr>
            <th>DOB</th><td><?php echo $std["dob"]?></td>
         </tr>
         <tr>
            <th>Mobile</th><td><?php echo $std["mobile"]?></td>
         </tr>
         <tr>
            <th>Email</th><td><?php echo $std["email"]?></td>
         </tr>
         <tr>
```

```
            <th>Address</th><td><?php echo $std["address"]?></td>
          </tr>
          <tr>
            <th>Department</th><td><?php echo $std["department"]?></td>
          </tr>
          <tr>
            <th>CGPA</th><td><?php echo $std["cgpa"]?></td>
          </tr>
              </table>
            </div>

          </div>
        </div>
        <?php
    }else{
        echo "<h2>No Data Available For This ID.</h2>";
    }
    ?>
</body>
</html>
```

DELETE:

```
<!-- Name: Sunil Kumar Sahoo -->
<!-- Sic: 23MMCI38 -->
<!-- Roll: 16 -->
<?php
if (!isset($_GET["id"])) {
    header("location:display.php");
}
$id = $_GET['id'];
require_once "functions.php";
$res = deleteStudentById($id);
if($res){
    ?>
    <script>
        alert("Student Data Deleted!");
        window.location = "display.php";
        </script>
        <?php
}else{
    ?>
    <script>
        alert("Invalid ID");
        window.location = "display.php";
    </script>
    <?php
}
?>
```

UPDATE:

```
<!-- Name: Sunil Kumar Sahoo -->
<!-- Sic: 23MMCI38 -->
<!-- Roll: 16 -->
<?php
include_once "navbar.php";
?>

<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Student Data Update</title>
    <link rel="stylesheet" href="./bootstrap-5.3.3-dist/css/bootstrap.min.css">
    <style>
        .container {
            max-width: 500px;
        }
    </style>
</head>

<body>
    <!-- <h1>Update Student Details</h1> -->
    <?php
    if (!isset($_GET["id"])) {
        header("location:display.php");
    }
    $id = $_GET["id"];
    require_once "functions.php";

    $result = getStudentById($id);
    if (!$result) {
    ?>
        <script>
            alert("Invalid ID");
            window.location = "display.php";
        </script>
    <?php
    }
    $std = $result->fetch_assoc();
    ?>

    <div class="container my-5">
        <h2 class="text-center mb-4">Update Student Details</h2>
        <form action="update_data.php" method="post">
            <div class="mb-3">
                <input type="hidden" name="id" value="<?php echo $std['id']; ?>">
                <label class="form-label fs-5" for="name">Name:</label>
```

```
            <input class="form-control" type="text" name="name" id="name" value="<?php echo
$std['name']; ?>">
          </div>
          <div class="mb-3">
            <label class="form-label fs-5">Gender:</label>
            <div>
              <input type="radio" name="gender" id="gender_male" value="Male" <?php echo
$std["gender"] === "Male" ? "checked" : ""; ?>>
              <label for="gender_male">Male</label>
              <input type="radio" name="gender" id="gender_female" value="Female" <?php echo
$std["gender"] === "Female" ? "checked" : ""; ?>>
              <label for="gender_female">Female</label>
              <input type="radio" name="gender" id="gender_other" value="Other" <?php echo
$std["gender"] === "Other" ? "checked" : ""; ?>>
              <label for="gender_other">Other</label>
            </div>
          </div>
          <div class="mb-3">
            <label class="form-label fs-5" for="dob">D.O.B:</label>
            <input class="form-control" type="date" name="dob" id="dob" value="<?php echo
$std['dob']; ?>">
          </div>
          <div class="mb-3">
            <label class="form-label fs-5" for="mobile">Mobile:</label>
            <input class="form-control" type="number" name="mobile" id="mobile" required
value="<?php echo $std['mobile']; ?>">
          </div>
          <div class="mb-3">
            <label class="form-label fs-5" for="email">Email:</label>
            <input class="form-control" type="email" name="email" id="email" required
value="<?php echo $std['email']; ?>">
          </div>
          <div class="mb-3">
            <label class="form-label fs-5" for="address">Address:</label>
            <textarea class="form-control" name="address" id="address" rows="3" required><?php
echo $std['address']; ?></textarea>
          </div>
          <div class="mb-3">
            <label class="form-label fs-5" for="department">Department:</label>
            <select class="form-select" name="department" id="department" required>
              <option value="" disabled>--SELECT--</option>
              <option value="CSE" <?php echo $std['department'] === 'CSE' ? 'selected' : '';
?>>CSE</option>
              <option value="CST" <?php echo $std['department'] === 'CST' ? 'selected' : '';
?>>CST</option>
              <option value="CEN" <?php echo $std['department'] === 'CEN' ? 'selected' : '';
?>>CEN</option>
              <option value="MSC" <?php echo $std['department'] === 'MSC' ? 'selected' : '';
?>>MSC</option>
```

```
                <option value="MCA" <?php echo $std['department'] === 'MCA' ? 'selected' : '';
?>>MCA</option>
              </select>
            </div>
            <div class="mb-3">
              <label class="form-label fs-5" for="cgpa">CGPA:</label>
              <input class="form-control" type="number" name="cgpa" id="cgpa" step="0.01" required
value="<?php echo $std['cgpa']; ?>">
            </div>
            <div class="text-center">
              <input class="btn btn-primary mt-3" type="submit" name="update" id="update"
value="Update">
            </div>
          </form>
        </div>
        <script src="./bootstrap-5.3.3-dist/js/bootstrap.bundle.js"></script>
</body>
</html>
```

UPDATE DATA:

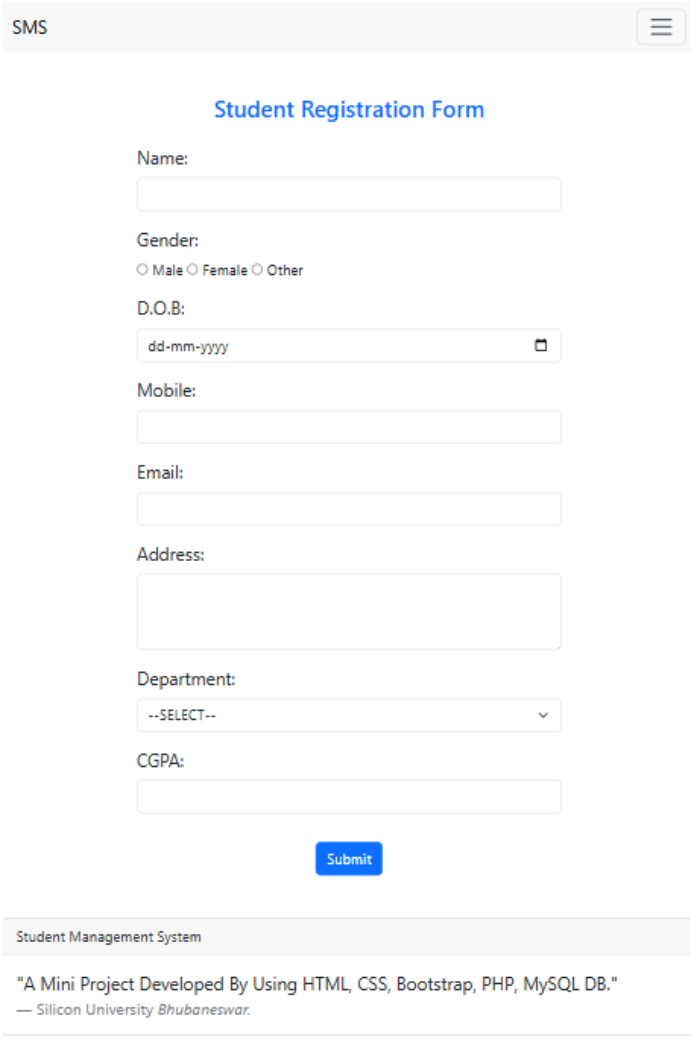
```
<!-- Name: Sunil Kumar Sahoo -->
<!-- Sic: 23MMCI38 -->
<!-- Roll: 16 -->
<?php
if(isset($_POST["update"])){
    $id = $_POST["id"];
    $name = $_POST["name"];
    $gender = $_POST["gender"];
    $dob = $_POST["dob"];
    $mobile = $_POST["mobile"];
    $email = $_POST["email"];
    $address = $_POST["address"];
    $department = $_POST["department"];
    $cgpa = $_POST["cgpa"];
    require_once "functions.php";
    $response = updateStudent($name, $gender, $dob, $mobile, $email, $address, $department,
$cgpa, $id);
    echo $response;
    if($response){
        ?>
        <script>
            alert("Student Data Updated.");
            window.location = "display.php";
        </script>
        <?php
    }else{
        ?>
        <script>
            alert("Something Went Wrong! Try Again Later.");
            window.location = "display.php";
```

```
        </script>
        <?php
    }
}else{
    header("location:display.php");
}
?>
```

FOOTER:

```
<div class="card">
  <div class="card-header">
    Student Management System
  </div>
  <div class="card-body">
    <blockquote class="blockquote mb-0">
      <p>"A Mini Project Developed By Using HTML, CSS, Bootstrap, PHP, MySQL DB."</p>
      <footer class="blockquote-footer">Silicon University <cite title="Source
Title">Bhubaneswar.</cite></footer>
    </blockquote>
  </div>
</div>
```

OUTPUT:



NAME: SUNIL KUMAR SAHOO
SIC NO: 23MMCI38
Roll No: 16 (A2)

ID	NAME	ACTIONS
9	Chitta Ranjan Bal	Details Update Delete
10	Sunil Kumar Sahoo	Details Update Delete
12	Smruti Rani Das	Details Update Delete
13	Anil Sahoo	Details Update Delete
14	Himansu Sekhar Lenka	Details Update Delete
15	Gurupada Pradhan	Details Update Delete
16	Payal Sahoo	Details Update Delete
17	Jeevan Jyoti Sahoo	Details Update Delete
18	Ankita Sahoo	Details Update Delete
20	Jayant Sahoo	Details Update Delete
22	Sumant Sahoo	Details Update Delete
27	Sumant Sahoo	Details Update Delete

Student Details

ID	9
Name	Chitta Ranjan Bal
Gender	Male
DOB	2000-03-06
Mobile	9876534567
Email	chittaranjan@gmail.com
Address	Bhadrak
Department	CST
CGPA	8.93

NAME: SUNIL KUMAR SAHOO
SIC NO: 23MMCI38
Roll No: 16 (A2)

8. **Design a multipage registration application using cookie. Design first form to accept Name, Father's Name and Date of Birth of the user. In the Second form accept Contact Information of the user like – mobile, email and address. Design a verify details page where all the details given in both the forms will be display and one link for final submission. On the final submission store the data in a database table and display a successful message and clear all the data stored in cookies.**

CODE:

FORM:

```
<!-- Name: Sunil Kumar Sahoo -->
<!-- Sic: 23MMCI38 -->
<!-- Roll: 16 -->
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Personal Registration Form</title>
  <link href="./bootstrap-5.3.3-dist/css/bootstrap.min.css" rel="stylesheet">
  <style>
    .container {
      max-width: 500px;
    }
  </style>
</head>
<body>
  <div class="container my-5">
    <h2 class="text-center mb-5 text-primary">Personal Registration Form</h2>
    <form action="form_data.php" method="post">
    <div class="mb-3">
        <label class="form-label fs-5" for="name">Name:</label>
        <input class="form-control" type="text" name="name" id="name" required>
      </div>
    <div class="mb-3">
        <label class="form-label fs-5" for="fname">Father's Name:</label>
        <input class="form-control" type="text" name="fname" id="fname" required>
      </div>
    <div class="mb-3">
        <label class="form-label fs-5" for="dob">D.O.B:</label>
        <input class="form-control" type="date" name="dob" id="dob" required>
      </div>
      <div class="text-center">
        <input class="btn btn-primary mt-3" type="submit" name="submit" id="submit">
      </div>
    </form>
  </div>
<script src="./bootstrap-5.3.3-dist/js/bootstrap.bundle.js"></script>
</body>
</html>
```

FORM2:

NAME: SUNIL KUMAR SAHOO
SIC NO: 23MMCI38
Roll No: 16 (A2)

```
<!-- Name: Sunil Kumar Sahoo -->
<!-- Sic: 23MMCI38 -->
<!-- Roll: 16 -->
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>Contact Information Form</title>
   <link href="./bootstrap-5.3.3-dist/css/bootstrap.min.css" rel="stylesheet">
   <style>
      .container {
         max-width: 500px;
      }
   </style>
</head>
<body>
   <div class="container my-5">
      <h2 class="text-center mb-5 text-primary">Contact Information Form</h2>
      <form action="form2_data.php" method="post">
      <div class="mb-3">
            <label class="form-label fs-5" for="mobile">Mobile:</label>
            <input class="form-control" type="text" name="mobile" id="mobile" required>
         </div>
         <div class="mb-3">
            <label class="form-label fs-5" for="email">Email:</label>
            <input class="form-control" type="email" name="email" id="email" required>
         </div>
         <div class="mb-3">
            <label class="form-label fs-5" for="address">Address:</label>
            <textarea class="form-control" name="address" id="address" rows="3"
required></textarea>
         </div>
         <div class="text-center">
            <input class="btn btn-primary mt-3" type="submit" name="submit" id="submit">
         </div>
      </form>
   </div>
<script src="./bootstrap-5.3.3-dist/js/bootstrap.bundle.js"></script>
</body>
</html>

FORM DATA:
<!-- Name: Sunil Kumar Sahoo -->
<!-- Sic: 23MMCI38 -->
<!-- Roll: 16 -->
<?php
if(isset($_POST["submit"])){
   $name = $_POST["name"];
   $fname = $_POST["fname"];
```

```
    $dob = $_POST["dob"];

    setcookie("name", $name, time() + 3600, "/");  // 1 hour expiration
    setcookie("fname", $fname, time() + 3600, "/");
    setcookie("dob", $dob, time() + 3600, "/");

    header("location: form2.php");
}
else{
    header("location: form.php");
}
?>
```

FORM2 DATA:

```
<!-- Name: Sunil Kumar Sahoo -->
<!-- Sic: 23MMCI38 -->
<!-- Roll: 16 -->
<?php
if(isset($_POST["submit"])){
    $mobile = $_POST["mobile"];
    $email = $_POST["email"];
    $address = $_POST["address"];

    setcookie("mobile", $mobile, time() + 3600, "/");  // 1 hour expiration
    setcookie("email", $email, time() + 3600, "/");
    setcookie("address", $address, time() + 3600, "/");

    header("location: verify.php");
}
else{
    header("location: form2.php");
}
?>
```

DBCONNECT:

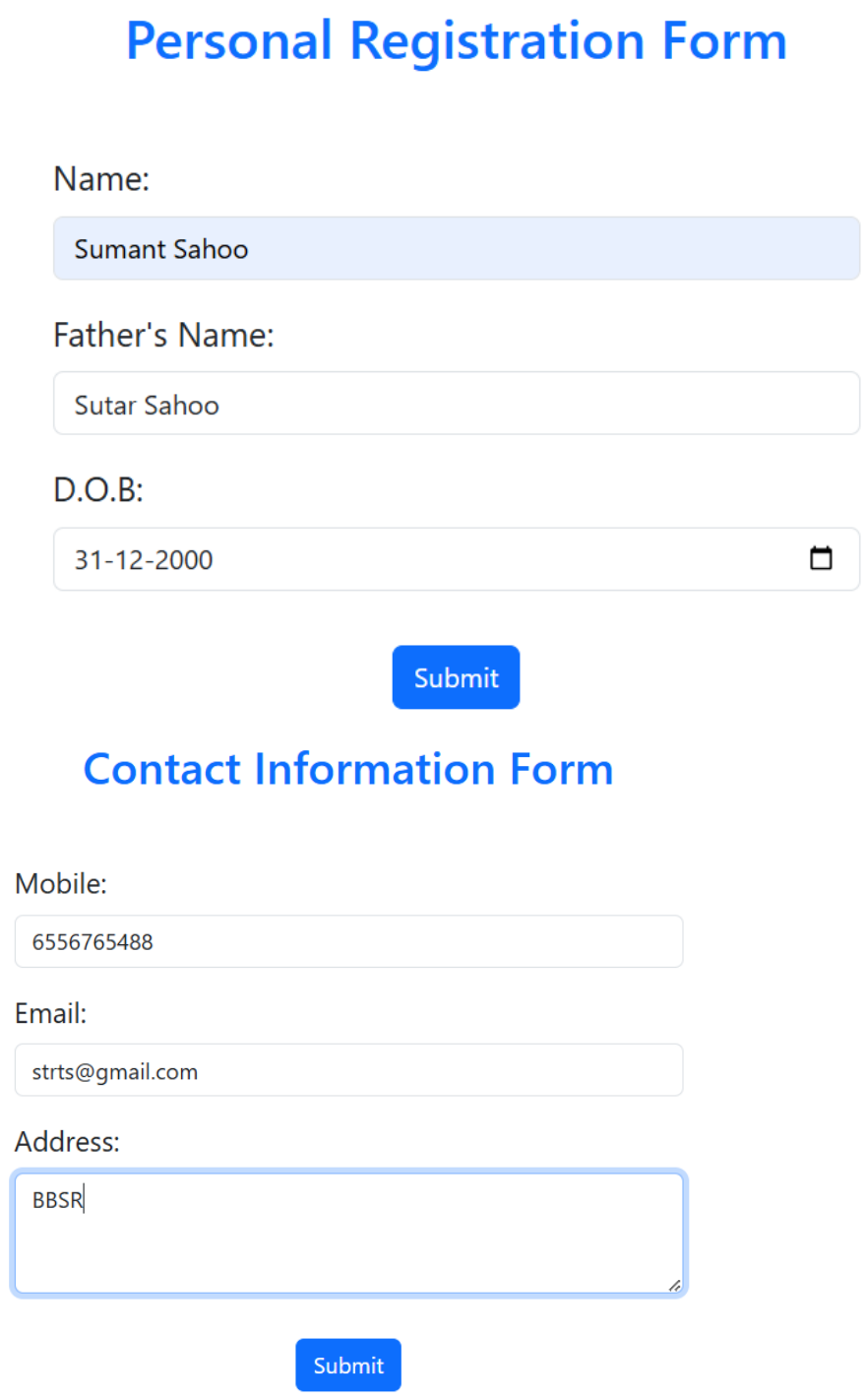
```
<!-- Name: Sunil Kumar Sahoo -->
<!-- Sic: 23MMCI38 -->
<!-- Roll: 16 -->
<?php
$HOST = "127.0.0.1:3307";
$USERNAME = "root";
$PASSWORD = "";
$DB_NAME = "23mmci38";

$conn = new mysqli($HOST, $USERNAME, $PASSWORD, $DB_NAME);

if($conn->connect_error){
    die($conn->connect_error);
}
// else{
```

```
    // echo "Database Connected";
// }
?>

VERIFY:
<!-- Name: Sunil Kumar Sahoo -->
<!-- Sic: 23MMCI38 -->
<!-- Roll: 16 -->
<?php
if (!isset($_COOKIE['name'], $_COOKIE['fname'], $_COOKIE['dob'], $_COOKIE['mobile'],
$_COOKIE['email'], $_COOKIE['address'])) {
    header('Location: form.php');
}
?>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Verify Your Details</title>
    <link href="./bootstrap-5.3.3-dist/css/bootstrap.min.css" rel="stylesheet">
    <style>
        .container {
            max-width: 500px;
        }
    </style>
</head>
<body>
    <div class="container my-5">
        <h2 class="text-center mb-4">Verify Your Details</h2>

        <div class="mb-3">
            <strong>Name:</strong> <?php echo $_COOKIE['name']; ?>
        </div>
        <div class="mb-3">
            <strong>Father's Name:</strong> <?php echo $_COOKIE['fname']; ?>
        </div>
        <div class="mb-3">
            <strong>Date of Birth:</strong> <?php echo $_COOKIE['dob']; ?>
        </div>
        <div class="mb-3">
            <strong>Mobile:</strong> <?php echo $_COOKIE['mobile']; ?>
        </div>
        <div class="mb-3">
            <strong>Email:</strong> <?php echo $_COOKIE['email']; ?>
        </div>
        <div class="mb-3">
            <strong>Address:</strong> <?php echo $_COOKIE['address']; ?>
        </div>
```

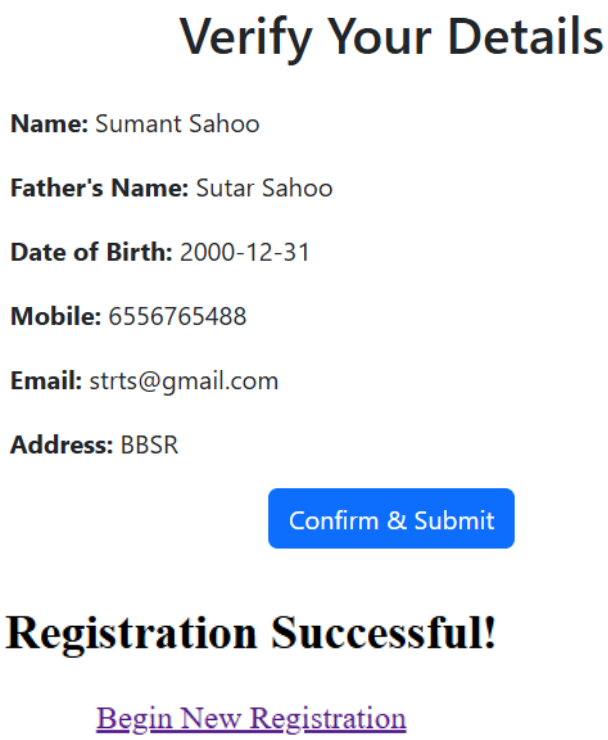
```
        <div class="text-center">
          <a href="submit.php" class="btn btn-primary">Confirm & Submit</a>
        </div>
      </div>
      <script src="./bootstrap-5.3.3-dist/js/bootstrap.bundle.js"></script>
    </body>
    </html>

    SUBMIT:
    <!-- Name: Sunil Kumar Sahoo -->
    <!-- Sic: 23MMCI38 -->
    <!-- Roll: 16 -->
    <?php
    include_once "dbconnect.php";
    if (isset($_COOKIE['name'], $_COOKIE['fname'], $_COOKIE['dob'], $_COOKIE['mobile'],
    $_COOKIE['email'], $_COOKIE['address'])) {
      $name = $_COOKIE['name'];
      $fname = $_COOKIE['fname'];
      $dob = $_COOKIE['dob'];
      $mobile = $_COOKIE['mobile'];
      $email = $_COOKIE['email'];
      $address = $_COOKIE['address'];
      global $conn;
      try{
        // Prepare Query
        $qry = "INSERT INTO registration(name, fname, dob, mobile, email, address)
    VALUES(?, ?, ?, ?, ?, ?)";
        $stmt = $conn -> prepare($qry);
        // Bind Param
        $stmt -> bind_param("ssssss", $name, $fname, $dob, $mobile, $email, $address);
        // Execute Query
        $status = $stmt -> execute();
        // return $status;
      if ($status) {
        setcookie("name", "", time() - 3600, "/");
        setcookie("fname", "", time() - 3600, "/");
        setcookie("dob", "", time() - 3600, "/");
        setcookie("mobile", "", time() - 3600, "/");
        setcookie("email", "", time() - 3600, "/");
        setcookie("address", "", time() - 3600, "/");
        echo "<h2 style='text-align: center; margin-top: 100px;'>Registration Successful!</h2>";
        echo '<a style="display: block; text-align: center;" href="form.php">Begin New
    Registration</a>';
      } else {
        echo "<h2 style='text-align: center; margin-top: 100px;'>Error: Unable to save
    data.</h2>";
        echo '<a style="display: block; text-align: center;" href="form.php">Try Again!!!</a>';
      }
    }catch(Exception $e){
      die($e -> getMessage());
```

```
}
finally{
   $conn -> close();
}
}
?>
```

OUTPUT:



NAME: SUNIL KUMAR SAHOO
SIC NO: 23MMCI38
Roll No: 16 (A2)



9. **Create 3 PHP files. In 2 PHP files create two input field to accept two numbers in the third page display the sum of two numbers. Use session to transfer data between pages.**
   CODE:
   FORM1:

```
<!-- Name: Sunil Kumar Sahoo -->
<!-- Sic: 23MMCI38 -->
<!-- Roll: 16 -->
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Form1</title>
    <link rel="stylesheet" href="./bootstrap-5.3.3-dist/css/bootstrap.min.css">
    <style>
        .container {
            max-width: 500px;
        }
    </style>
</head>
<body>
    <div class="container text-center my-5">
        <h2 class="fs-1 text-primary">Number Sum Program</h2>
        <form action="form2.php" method="post">
            <input class="mt-5 form-control" type="text" name="num1" id="num1" placeholder="Enter
First Number">
            <input class="btn btn-primary my-5" type="submit" name="submit" id="submit">
        </form>
    </div>
```

```
<script src="./bootstrap-5.3.3-dist/js/bootstrap.bundle.js"></script>
</body>
</html>
```

FORM2:

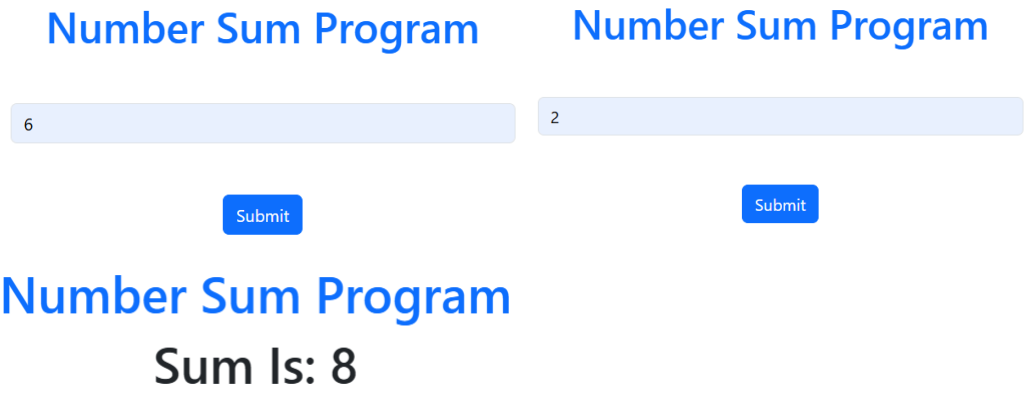
```
<!-- Name: Sunil Kumar Sahoo -->
<!-- Sic: 23MMCI38 -->
<!-- Roll: 16 -->
<?php
if(isset($_POST['submit'])){
   $num1 = $_POST['num1'];
   session_start();
   $_SESSION['num1'] = $num1;
}
?>
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>Form2</title>
   <link rel="stylesheet" href="./bootstrap-5.3.3-dist/css/bootstrap.min.css">
   <style>
      .container {
         max-width: 500px;
      }
   </style>
</head>
<body>
   <div class="container text-center my-5">
      <h2 class="fs-1 text-primary">Number Sum Program</h2>
      <form action="display.php" method="post">
         <input class="mt-5 form-control" type="text" name="num2" id="num2" placeholder="Enter
Second Number">
         <input class="btn btn-primary my-5" type="submit" name="submit" id="submit">
      </form>
   </div>
<script src="./bootstrap-5.3.3-dist/js/bootstrap.bundle.js"></script>
</body>
</html>
```

DISPLAY:

```
<!-- Name: Sunil Kumar Sahoo -->
<!-- Sic: 23MMCI38 -->
<!-- Roll: 16 -->
<?php
if(isset($_POST['submit'])){
   $num2 = $_POST['num2'];
   session_start();
   $_SESSION['num2'] = $num2;
```

```
    $sum = $_SESSION['num1'] + $_SESSION['num2'];
}
?>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Display Sum</title>
    <link rel="stylesheet" href="./bootstrap-5.3.3-dist/css/bootstrap.min.css">
    <style>
        .container {
            max-width: 500px;
        }
    </style>
</head>
<body>
    <div class="container text-center my-5">
        <h2 class="fs-1 text-primary">Number Sum Program</h2>
        <h4 class="fs-1"> Sum Is:
            <?php
                echo $sum;
            ?>
        </h4>
    </div>
<?php
session_destroy();
?>
<script src="./bootstrap-5.3.3-dist/js/bootstrap.bundle.js"></script>
</body>
</html>
```

OUTPUT:



10. **Design an authentication system using PHP session. Register a user with the details like Name, Mobile, Email (PK) and Password and store the data to the database. In the login page ask the user to enter email and password. Validate the user form the database and store the name and email in the session if credentials are correct and forward the user to the dashboard page, else display suitable error message. In the dashboard page display a welcome message with the**

user's name. Create the profile page where password can be updated. Crate a link to perform logout operation.

CODE:

REGISTRATION FORM:

```
<!-- Name: Sunil Kumar Sahoo -->
<!-- Sic: 23MMCI38 -->
<!-- Roll: 16 -->
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>Authenticatication System</title>
   <link href="./bootstrap-5.3.3-dist/css/bootstrap.min.css" rel="stylesheet">
   <style>
      .container {
         max-width: 500px;
      }
   </style>
</head>
<body>
   <div class="container my-5">
      <h2 class="text-center mb-5 text-primary">Registration Form</h2>
      <form action="register_form_data.php" method="post">
      <div class="mb-3">
            <label class="form-label fs-5" for="name">Name:</label>
            <input class="form-control" type="text" name="name" id="name" required>
         </div>
         <div class="mb-3">
            <label class="form-label fs-5" for="mobile">Mobile:</label>
            <input class="form-control" type="text" name="mobile" id="mobile" required>
         </div>
         <div class="mb-3">
            <label class="form-label fs-5" for="email">Email:</label>
            <input class="form-control" type="email" name="email" id="email" required>
         </div>
         <div class="mb-3">
            <label class="form-label fs-5" for="password">Password:</label>
            <input class="form-control" type="password" name="password" id="password" required>
         </div>
         <div class="text-center">
            <input class="btn btn-primary mt-3" type="submit" name="submit" id="submit"
value="Register">
         </div>
      </form>
      <a style="display: block; text-align: center;" href="login_form.php">Already Have An
Account. Login Here.</a>
   </div>
<script src="./bootstrap-5.3.3-dist/js/bootstrap.bundle.js"></script>
</body></html>
```

REGISTRATION FORM DATA:

```
<!-- Name: Sunil Kumar Sahoo -->
<!-- Sic: 23MMCI38 -->
<!-- Roll: 16 -->
<?php
require_once "dbconnect.php";
if (isset($_POST['submit'])) {
   $name = $_POST["name"];
   $mobile = $_POST["mobile"];
   $email = $_POST["email"];
   $password = $_POST["password"];
   global $conn;
      try{
         // Prepare Query
         $qry = "INSERT INTO authentication(name, mobile, email, password) VALUES(?, ?, ?, ?)";
         $stmt = $conn -> prepare($qry);
         // Bind Param
         $stmt -> bind_param("ssss", $name,$mobile, $email, $password);
         // Execute Query
         $status = $stmt -> execute();
         if ($status) {
            echo "<h3 style='text-align: center; margin-top: 100px;'>Registration Successful!</h3>";
            echo '<a style="display: block; text-align: center;" href="register_form.php">Begin New
Registration</a>';
            echo '<a style="display: block; text-align: center;" href="login_form.php">Login To
Account</a>';
         }
         else{
            echo "<h2 style='text-align: center; margin-top: 100px;'>Error: Unable to Register.</h2>";
            echo '<a style="display: block; text-align: center;" href="register_form.php">Try
Again!!!</a>';
         }
      }
      catch(Exception $e){
         die($e -> getMessage());
      }
      finally{
         $conn -> close();
      }
   }
?>
```

PROFILE

```
<!-- Name: Sunil Kumar Sahoo -->
<!-- Sic: 23MMCI38 -->
<!-- Roll: 16 -->
<?php
session_start();
if (isset($_SESSION["name"])) {
   $usr_name = $_SESSION["name"];
} else {
```

```
    header("Location: login.php");
    exit();
}
?>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Profile</title>
    <link href="./bootstrap-5.3.3-dist/css/bootstrap.min.css" rel="stylesheet">
</head>
<body>
    <h1 class="text-center my-5 text-primary">User's Profile</h1>
    <div class="container text-center d-flex justify-content-center align-items-center">
        <div class="card" style="width: 18rem;">
            <div class="card-body">
                <h5 class="card-title mb-3"> <?php echo $usr_name?> </h5>
                <div class="container form-container mb-3">
                    <form action="profile_data.php" method="post">
                        <input class="form-control" type="password" name="password" id="password"
placeholder="Set A Strong Password">
                        <input class="btn btn-primary mt-3" type="submit" name="submit" id="submit"
value="Update">
                    </form>
                </div>
                <a href="login_form.php" class="card-link">Logout</a>
            </div>
        </div>
    </div>
    <script src="./bootstrap-5.3.3-dist/js/bootstrap.bundle.js"></script>
</body>
</html>
<!-- Name: Sunil Kumar Sahoo -->
<!-- Sic: 23MMCI38 -->
<!-- Roll: 16 -->
<?php
if (isset($_POST["submit"])) {
    session_start();
    $password = $_POST["password"];
    $email = $_SESSION["email"];
    require_once "dbconnect.php";
    global $conn;
    try {
        // Prepare the SQL query
        $qry = "UPDATE authentication SET password=? WHERE email=?";
        $stmt = $conn->prepare($qry);
        // Bind parameters correctly
        $stmt->bind_param("ss", $password, $email);
        // Execute the statement
```

```
            $status = $stmt->execute();
            // Check if any rows were affected
            if ($conn->affected_rows > 0) {
                ?>
                <script>
                    alert("Password Updated.");
                    window.location = "login_form.php";
                </script>
                <?php
            } else {
                ?>
                <script>
                    alert("Something Went Wrong!");
                    window.location = "login_form.php";
                </script>
                <?php
            }
        } catch (Exception $e) {
            die($e->getMessage());
        } finally {
            session_destroy();
            $conn->close();
        }
    }
    ?>
```

LOGIN FORM:

```
    <!-- Name: Sunil Kumar Sahoo -->
    <!-- Sic: 23MMCI38 -->
    <!-- Roll: 16 -->
    <!DOCTYPE html>
    <html lang="en">
    <head>
        <meta charset="UTF-8">
        <meta name="viewport" content="width=device-width, initial-scale=1.0">
        <title>Authenticatication System</title>
        <link href="./bootstrap-5.3.3-dist/css/bootstrap.min.css" rel="stylesheet">
        <style>
            .container {
                max-width: 500px;
            }
        </style>
    </head>
    <body>
        <div class="container my-5">
            <h2 class="text-center mb-5 text-primary">Login Form</h2>
            <form action="login_form_data.php" method="post">
                <div class="mb-3">
                    <label class="form-label fs-5" for="email">Email:</label>
                    <input class="form-control" type="email" name="email" id="email" required>
```

```
            </div>
            <div class="mb-3">
               <label class="form-label fs-5" for="password">Password:</label>
               <input class="form-control" type="password" name="password" id="password" required>
            </div>
            <div class="text-center">
               <input class="btn btn-primary mt-3" type="submit" name="submit" id="submit"
value="Login">
            </div>
         </form>
         <div class="text-center mt-3">
         <p>New To Our Platform.</p>
          <a href="register_form.php">Register Here</a>
         </div>
      </div>
<script src="./bootstrap-5.3.3-dist/js/bootstrap.bundle.js"></script>
</body>
</html>

LOGIN FORM DATA:
<!-- Name: Sunil Kumar Sahoo -->
<!-- Sic: 23MMCI38 -->
<!-- Roll: 16 -->
<?php
require_once "dbconnect.php";
if (isset($_POST['submit'])) {
   $email = $_POST["email"];
   $password = $_POST["password"];
   global $conn;
   try{
      $qry = "SELECT * FROM authentication WHERE email=?";
      $stmt = $conn ->prepare($qry);
      $stmt->bind_param("s", $email);
      $stmt->execute();
      $result = $stmt->get_result();
      $usr = $result->fetch_assoc();
      $save_email = $usr["email"];
      $save_password = $usr["password"];
      $save_name = $usr["name"];
      if ($email == $save_email) {
         if ($password == $save_password) {
            session_start();
            $_SESSION["email"] = $save_email;
            $_SESSION["name"] = $save_name;
            header("location:dashboard.php");
         }
         else{
            echo "Please Input Correct Password.";
         }
      }
```

```
            else{
                echo "Please Input Correct User ID.";
            }
        }
            catch(Exception $e){
                die($e -> getMessage());
            }
            finally{
                $conn -> close();
            }
        }
    ?>
```

DBCONNECT:

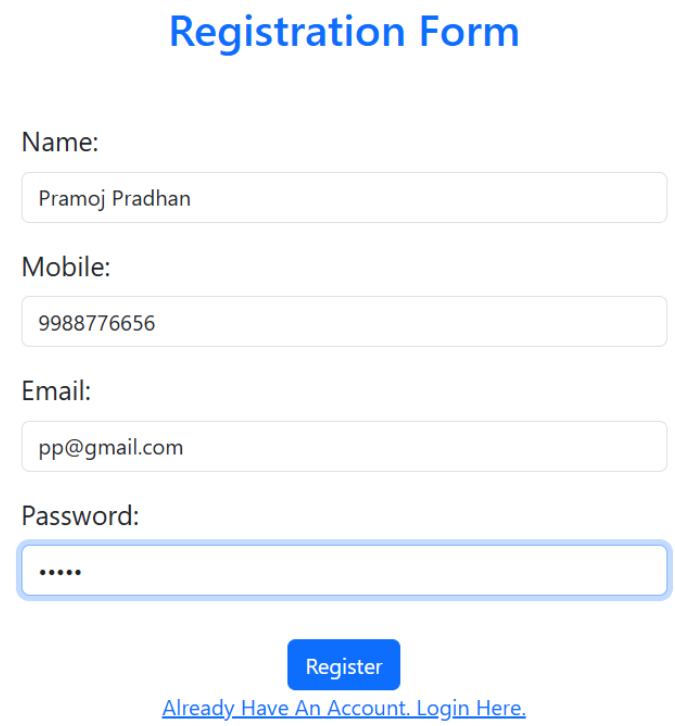
```
<!-- Name: Sunil Kumar Sahoo -->
<!-- Sic: 23MMCI38 -->
<!-- Roll: 16 -->
<?php
$HOST = "127.0.0.1:3307";
$USERNAME = "root";
$PASSWORD = "";
$DB_NAME = "23mmci38";
$conn = new mysqli($HOST, $USERNAME, $PASSWORD, $DB_NAME);
if($conn->connect_error){
    die($conn->connect_error);
}
// else{
    // echo "Database Connected";
// }
?>
```

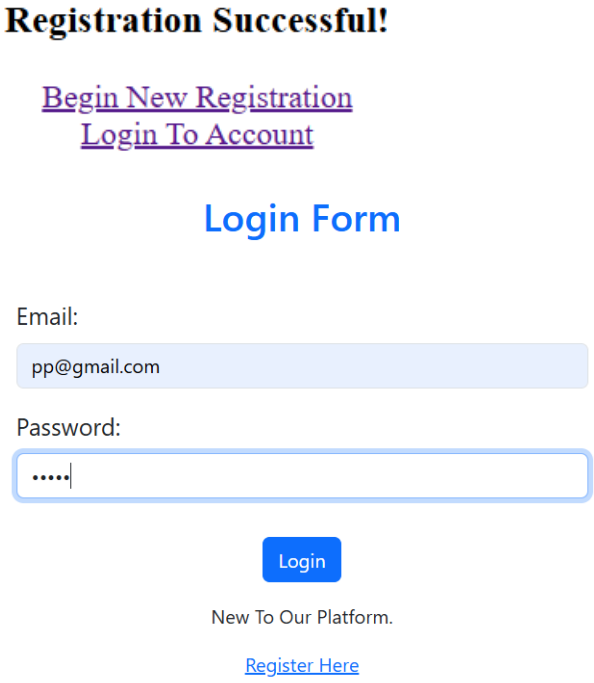
DASHBOARD:

```
<!-- Name: Sunil Kumar Sahoo -->
<!-- Sic: 23MMCI38 -->
<!-- Roll: 16 -->
<?php
session_start();
if (isset($_SESSION["name"])) {
    $usr_name = $_SESSION["name"];
} else {
    header("Location: login.php");
    exit();
}
?>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Dashboard</title>
```

```
</head>
<body>
   <h2>Welcome <?php echo $usr_name ?>, Have A Nice Day.</h2>
   <a href="profile.php">Go To Profile</a>
</body>
</html>
```

OUTPUTS:





NAME: SUNIL KUMAR SAHOO
SIC NO: 23MMCI38
Roll No: 16 (A2)

Welcome Pramoj Pradhan, Have A Nice Day.

Go To Profile

User's Profile

Pramoj Pradhan

••••••

Update

Logout

Name: Sunil Kumar Sahoo
Sic: 23MMCI38
Lab: WAD
Group: A2 (16)

NAME: SUNIL KUMAR SAHOO
SIC NO: 23MMCI38
Roll No: 16 (A2)