```html
<body align="center">

 <b> Form Validation </b> <br><br>

 <form name="frm" onsubmit="return validate()">

   Name:              

   <input type = "text" name="name"><br>

   Mobile No:      

   <input type = "text" name="mobile"> <br>

   Email:              

   <input type="text" name="mail"><br>

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

 </form>

</body>

</html>
```
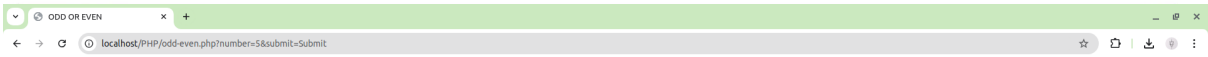
RESULT:

The program has been executed successfully and output verified.

OUTPUT

localhost/PHP/odd-even.php?number=5&submit=Submit

ODD OR EVEN CHECKER

Enter a number

Submit

5 is an Odd Number

ODD OR EVEN USING GET METHOD

AIM:

Write a PHP program to check whether the given number is odd or even.

[Hint : Number should be read using Textbox, Use GET Method]

SOURCE CODE:

```html
<html>
<head>
  <title>ODD OR EVEN</title>
</head>
<body style="text-align: center; margin-top: 50px;">

  <h2 >ODD OR EVEN CHECKER</h2>

  <form method="GET" action="<?php echo $_SERVER['PHP_SELF']; ?>">
    <label for="number">Enter a number:</label><br>
    <input type="text" name="number" required><br><br>
    <input type="submit" name="submit">
  </form>

</body>

</html>

<?php

  if ($_SERVER["REQUEST_METHOD"] == "GET" && isset($_GET["submit"])) {
    $number=$_GET['number'];

   if(is_numeric($number)){
      if($number%2==0){
        echo "<p>{$number}is an Even Number </p>";
      }
      else{
       echo "<p>{$number}is an Odd Number </p>";
      }
    }
    else{
      echo "Enter a valid number";
    }
 }
?>
```
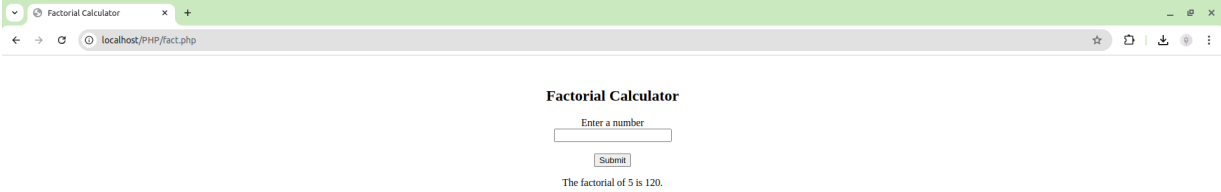
RESULT:

The program has been executed successfully and output verified .

OUTPUT

Factorial Calculator

Enter a number

Submit

The factorial of 5 is 120.

DETAILS OF STUDENT
USING REQUEST

AIM :

Develop a PHP web application for reading details of a student such as Name,
Email Id, Address, Gender, Date of Birth etc., and display details when submit
[Use $_REQUEST variable: The $_REQUEST variable is a super global variable,
which can hold the content of both $_GET and $_POST variable.]

SOURCE CODE :

```
<html>
<head>
  <title>Student Details </title>
</head>
<body style="text-align: center;">

  <h2> Details of Student </h2>

  <form method="GET" action="<?php echo $_SERVER['PHP_SELF']; ?>">
    Name: <input type="text" name="name"><br><br>
    Email id: <input type="email" name="mail"><br><br>
    Address: <textarea rows="4" name="adrs"></textarea><br><br>
    Gender:
    M <input type="radio" value="Male" name="gender">
    F <input type="radio" value="Female" name="gender"><br><br>
    DOB: <input type="date" name="dob"><br><br>
    <input type="submit" name="submit">

  </form>

<?php
  if ($_SERVER["REQUEST_METHOD"] == "GET" && isset($_REQUEST["submit"])) {

    $name = $_REQUEST["name"];
    $email = $_REQUEST["mail"];
    $address = $_REQUEST["adrs"];
    $gender = $_REQUEST["gender"];
    $dob = $_REQUEST["dob"];

if (empty($name) || empty($email) || empty($address) || empty($gender) || empty($dob)) {
        echo "<h2>Please fill in all the fields.</h2>";
      }
    else{
        echo"<br><br> <h1>DETAILS:- </h1>";
        echo " <h3> Name:  $name <br> Email ID:  $email <br>Address:  $address <br>
            Gender:  $gender <br> D.O.B:  $dob </h3>";
      }
    }
```
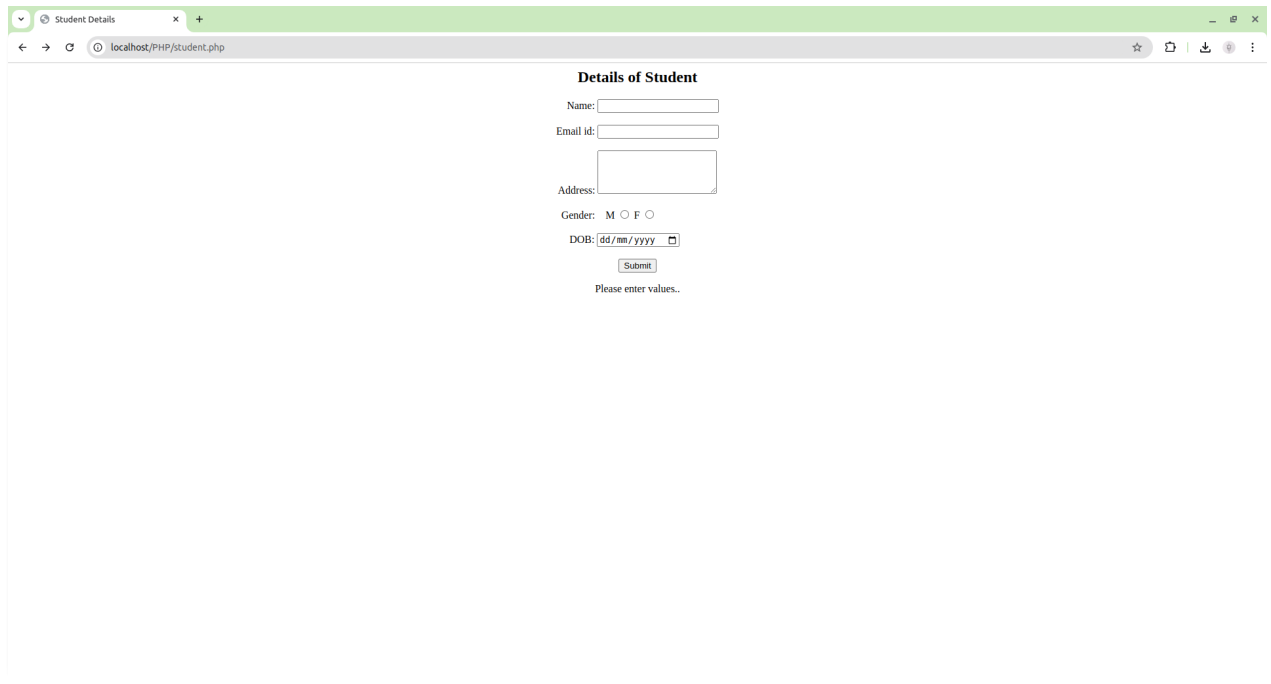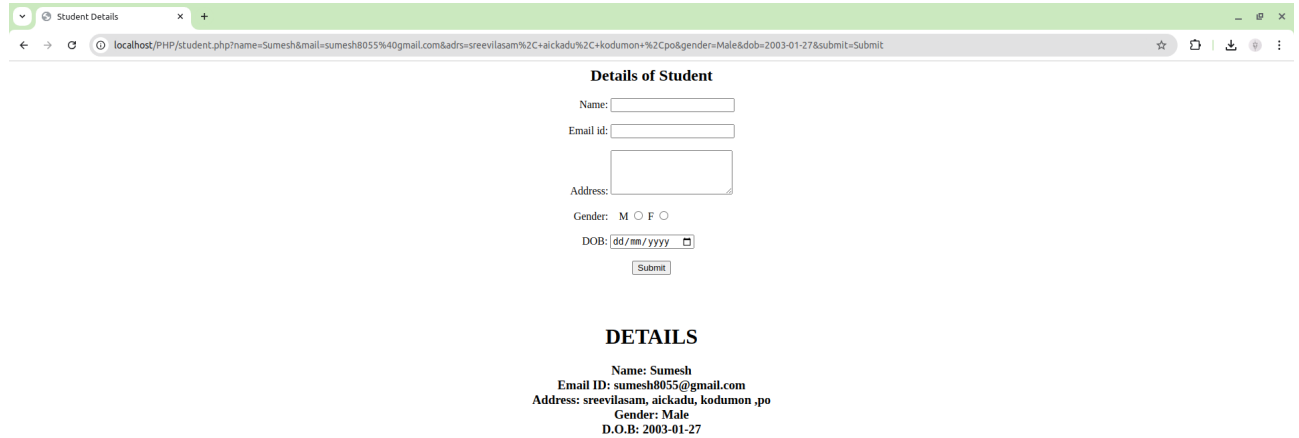
OUTPUT

Details of Student

Name: [_____]

Email id: [_____]

Address: [_____]

Gender: M ○ F ○

DOB: [dd/mm/yyyy]

[Submit]

Please enter values..

on submit :-

localhost/PHP/student.php?name=Sumesh&mail=sumesh8055%40gmail.com&adrs=sreevilasam%2C+aickadu%2C+kodumon+%2Cpo&gender=Male&dob=2003-01-27&submit=Submit

Details of Student

Name: [_____]

Email id: [_____]

Address: [_____]

Gender: M ○ F ○

DOB: [dd/mm/yyyy]

[Submit]

DETAILS

Name: Sumesh
Email ID: sumesh8055@gmail.com
Address: sreevilasam, aickadu, kodumon ,po
Gender: Male
D.O.B: 2003-01-27

```php
    $sql = "INSERT INTO BOOK_DETAILS (bookno, title, edition, publisher)
              VALUES ('$bookno', '$booktitle', '$bookedition', '$bookpub')";

    if (mysqli_query($connection, $sql)) {
        echo "Inserted successfully<br>";
    }
    else {
        echo "Error: " . mysqli_error($connection) . "<br>";
    }
  }

    $query = mysqli_query($connection, "SELECT * FROM BOOK_DETAILS");

    if (!$query) {
        die("Error fetching records: " . mysqli_error($connection));
    }
?>

<html>
<head>
  <title>BOOK_DETAILS</title>
</head>
<body>
  <center>
  <table border="1px solid black" cellpadding="5" cellspacing="0">
    <tr>
      <th>BOOK NUMBER</th>
      <th>TITLE</th>
      <th>EDITION</th>
      <th>PUBLISHER</th>
    </tr>
    <tr>
      <?php
        if (mysqli_num_rows($query) > 0) {
            while ($row = mysqli_fetch_assoc($query)){
             echo "
              <tr>
                <td>{$row['bookno']}</td>
                <td>{$row['title']}</td>
                <td>{$row['edition']}</td>
                <td>{$row['publisher']}</td>
              </tr>";
            }
        }
        else {
            echo "<tr><td colspan='4'>No records found</td></tr>";
        }
      ?>
    </tr>
  </table>
  </center>
</body>
</html>
```
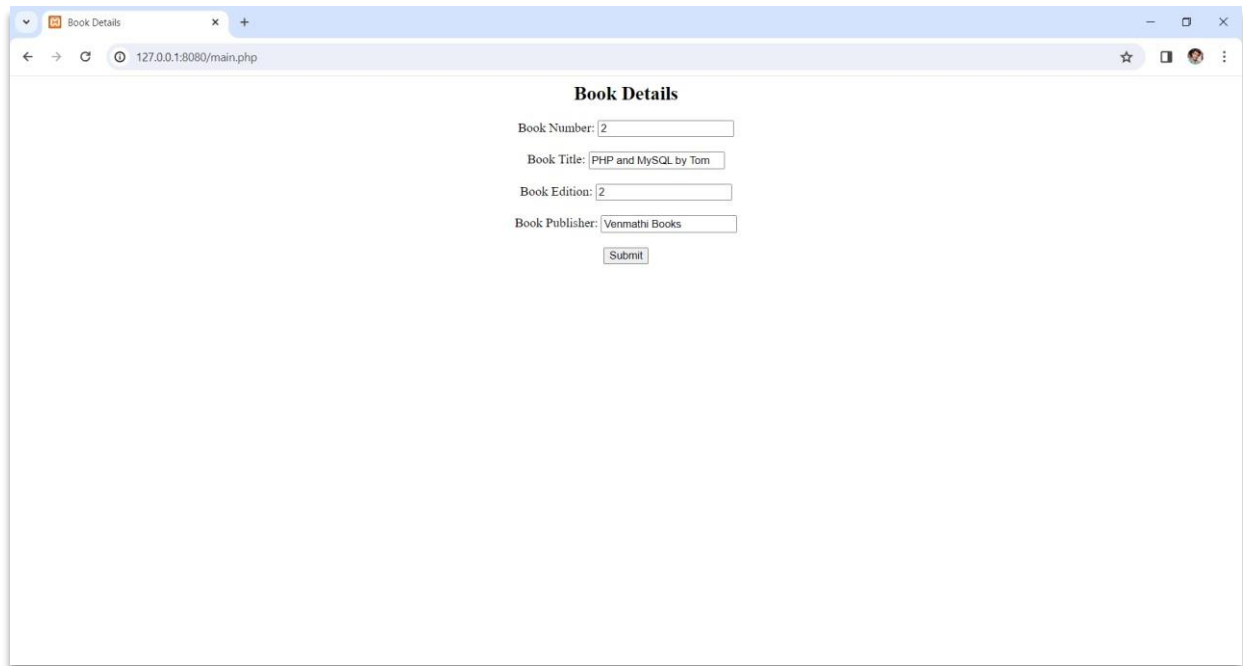
50

OUTPUT

main.php

on submit :-

connect.php

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

  $conn = mysqli_connect($servername, $username, $password);
  if (!$conn) {
     die("Connection failed: " . mysqli_connect_error());
  }
  echo "Connected successfully<br>";

  $db = "CREATE DATABASE IF NOT EXISTS $dbname";

  if (mysqli_query($conn, $db)) {
     echo "Database created successfully<br>";
  } else {
     die("Error creating database: " . mysqli_error($conn));
  }

  mysqli_select_db($conn, $dbname);

  $tb ="CREATE TABLE IF NOT EXISTS login(
        id INT NOT NULL AUTO_INCREMENT,
        uname VARCHAR(20) NOT NULL UNIQUE,
        password VARCHAR(50) NOT NULL,
        PRIMARY KEY (id))";

  if (mysqli_query($conn, $tb)) {
     echo "Table created successfully<br>";
  }
  else {
     die("Error creating table: " . mysqli_error($conn));
  }
  $uname = "ceconline";
  $password = "cec@123";

  $check_sql = "SELECT * FROM login WHERE uname = '$uname'
        AND password='$password'";
  $result = mysqli_query($conn, $check_sql);

  if (mysqli_num_rows($result) > 0) {
     echo "Username and password already exists. Skipping insertion.<br>";
  }
  else {
     $sql = "INSERT INTO login (uname, password) VALUES ('$uname', '$password')";

     if (mysqli_query($conn, $sql)) {
       echo "Value inserted successfully<br>";
     }
```

54

OUTPUT

localhost/PHP/login/main.php

Connected successfully
Database created successfully
Table created successfully
Value inserted successfully

LOGIN PAGE

USERNAME: ceconline

PASSWORD: ••••••••

Submit

localhost/PHP/login/welcome.php

Connected successfully
Database created successfully
Table created successfully
Username and password already exists. Skipping insertion.

WELCOME

ceconline