Program Name: BCA(IV semester)	**Course Title:** PHP and MySQL Lab
Course Code: DSC17-Lab	**Hours/Week:** 04
Course Credits: 02 (0-0-2)	**Exam Duration:** 02 hours
Exam Marks: 25	**Formative Assessment Marks:** 25

Laboratory Program List

Sl. No	Title of the Experiment
1	Write a PHP script to print "hello world"
2	Write a PHP script to find odd or even number from given number.
3	Write a PHP script to find maximum of three numbers.
4	Write a PHP script to swap two numbers.
5	Write a PHP script to find the factorial of a number.
6	Write a PHP script to check whether given number is palindrome or not
7	Write a PHP script to reverse a given number and calculate its sum
8	Write a PHP script to generate a Fibonacci series using Recursive function
9	Write a PHP script to implement at least seven string functions.
10	Write a PHP program to insert new item in array on any position in PHP.
11	Write a PHP script to implement constructor and destructor
12	Write a PHP script to implement form handling using get method
13	Write a PHP script to implement form handling using post method.
14	Write a PHP script that receive form input by the method post to check the number is prime or not
15	Write a PHP script that receive string as a form input
16	Write a PHP script to compute addition of two matrices as a form input.
17	Write a PHP script to show the functionality of date and time function.
18	Write a PHP program to upload a file
19	Write a PHP script to implement database creation
20	Write a PHP script to create table
21	Develop a PHP program to design a college admission form using MYSQL database

Assistant Professor ASHA B

1. **Write a PHP script to print "hello world"**

```php
<?php
echo "Hello, World!";
?>
```
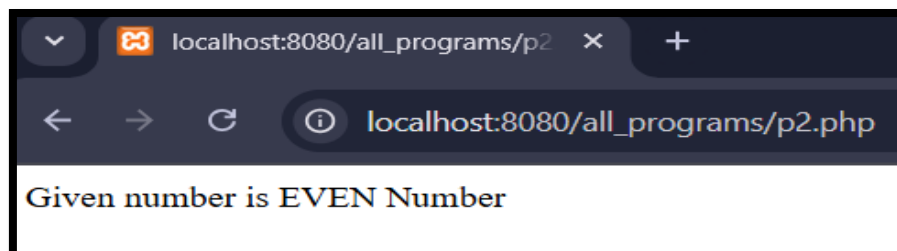
OUTPUT:
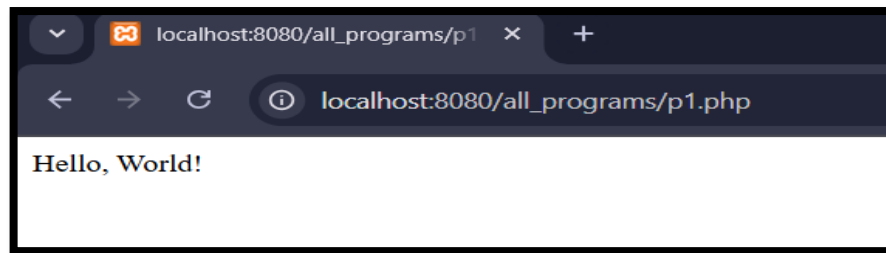
2. **Write a PHP script to find odd or even number from given number.**

```php
<?php
$num= 6;
if($num%2==0)
{
echo "Given number is EVEN Number";
}
else
{
echo "Given number is ODD Number";
}
?>
```
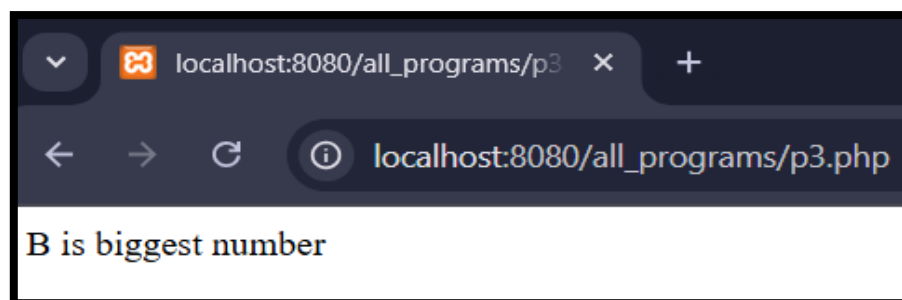
OUTPUT:

3. **Write a PHP script to find maximum of three numbers.**

```php
<?php
$a=3;
$b=4;
$c=2;
if($a>$b&&$a>$c)
{
echo "A is biggest number";
}
else if($b>$c)
{
echo "B is biggest number";
}
else
{
echo "C is biggest number";
}
?>
```
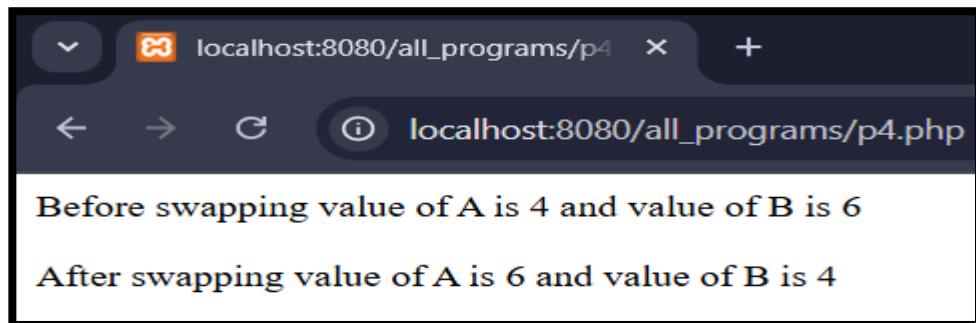
OUTPUT:

4. **Write a PHP script to swap two numbers.**

```php
<?php
$a=4;
$b=6;
echo "Before swapping value of A is $a and value of B is $b</br></br>";
$a=$a+$b;
```

$b=$a-$b;

$a=$a-$b;

echo "After swapping value of A is $a and value of B is $b";

?>

OUTPUT:

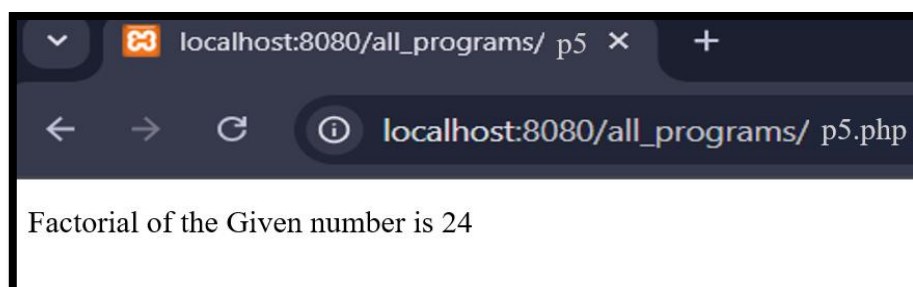5. **Write a PHP script to find the factorial of a number.**

```php
<?php
$n=4;
$f=1;
for($i=1;$i<=$n;$i++)
{
$f*=$i;
}
echo "Factorial of the given number is $f";
?>
```

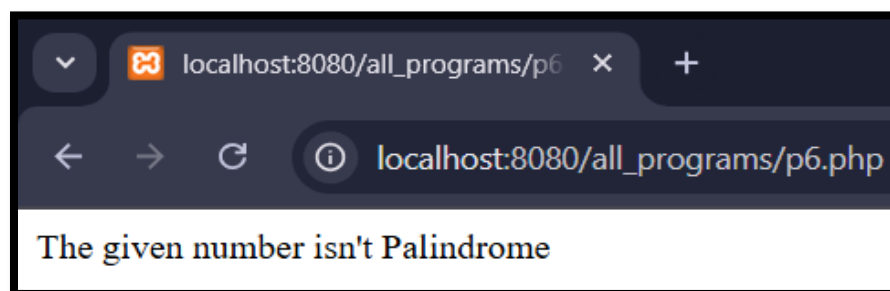**OUTPUT:**

6. **Write a PHP script to check whether given number is palindrome or not.**

```php
<?php
$num=123;
$rev=0;
$temp=$num;
while($num>1)
{
    $r=$num%10;
    $rev=$rev*10+$r;
    $num=$num/10;
}
if($rev==$temp)
{
  echo "The given number is Palindrome";
}
Else
{
  echo "The given number isn't Palindrome";
}
?>
```
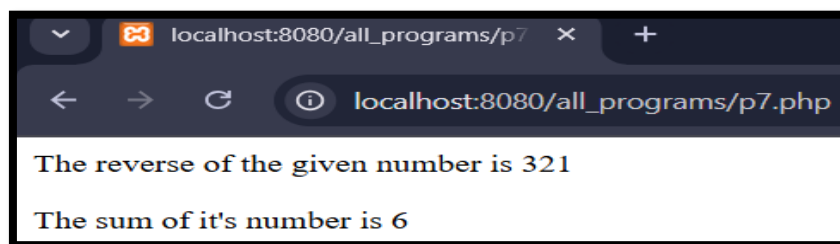
OUTPUT:

7. **Write a PHP script to reverse a given number and calculate its sum.**

```php
<?php
$num=123;
$rev=0;
$sum=0;
while($num>1)
{
   $r=$num%10;
   $sum=$sum+$r;
   $rev=$rev*10+$r;
   $num=$num/10;
}
 echo "The reverse of the given number is $rev</br></br>";
 echo "The sum of it's number is $sum";

?>
```

OUTPUT:

8. **Write a PHP script to generate a Fibonacci series using Recursive function.**

```php
<?php
$num=5;
echo "Fibonacci series using recursive function:</br>";
function fibo($num)
{
   if($num==0)
```
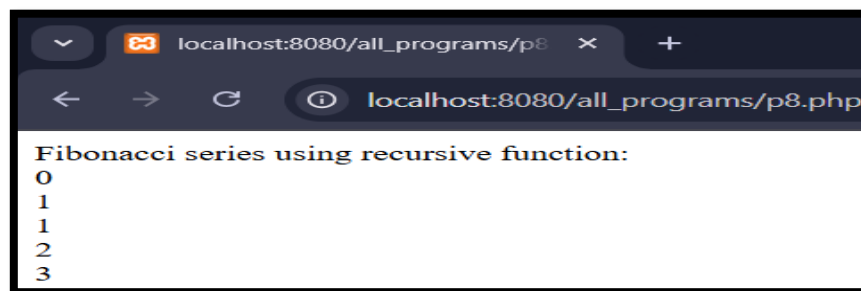
```
    {

      return 0;

    }

  else if($num==1)

    {

      return 1;

    }

  else

    {

      return(fibo($num-1) + fibo($num-2));

    }

}

for($i=0;$i<$num;$i++)

{

echo fibo($i);

echo"</br>";

}

?>
```

OUTPUT:

9. **Write a PHP script to implement at least seven string functions.**

```
<?php

$text = "Hello PHP";

echo "String length: ".strlen($text) . "<br><br>";

echo "Convert to uppercase: ".strtoupper($text) . "<br><br>";
```

echo "Convert to lowercase: ".strtolower($text) . "

";

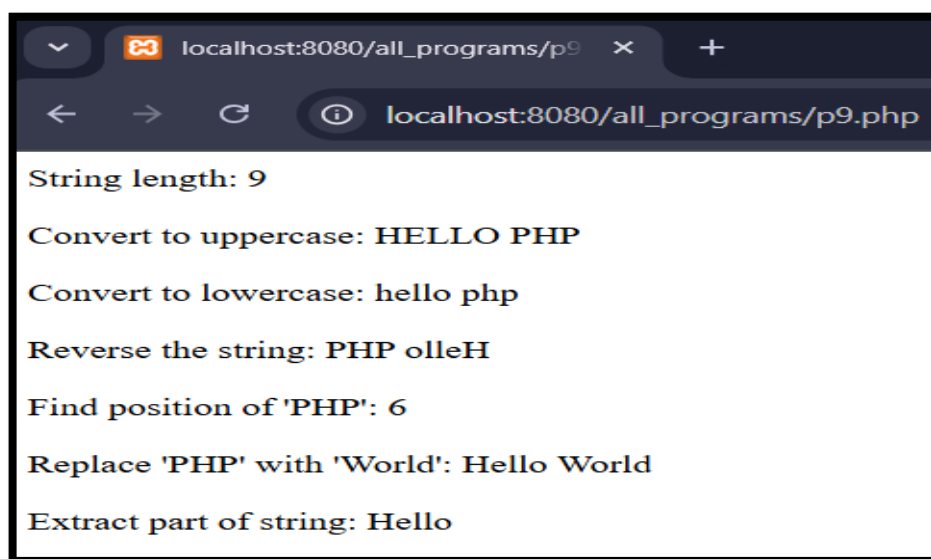echo "Reverse the string: ".strrev($text) . "

";

echo "Find position of 'PHP': ".strpos($text, "PHP") . "

";

echo "Replace 'PHP' with 'World': ".str_replace("PHP", "World", $text) . "

";

echo "Extract part of string: ".substr($text, 0, 5) . "

";

?>

OUTPUT:

10. Write a PHP program to insert new item in array on any position in PHP.

```php
<?php
// Original array
$array = array("Apple", "Banana", "Cherry", "Mango");


echo "Before Insertion:<br>";
foreach ($array as $item) {
    echo $item . "<br>"; // Print each item with a break
}
echo "<br>"; // Extra space


// New item to insert
```
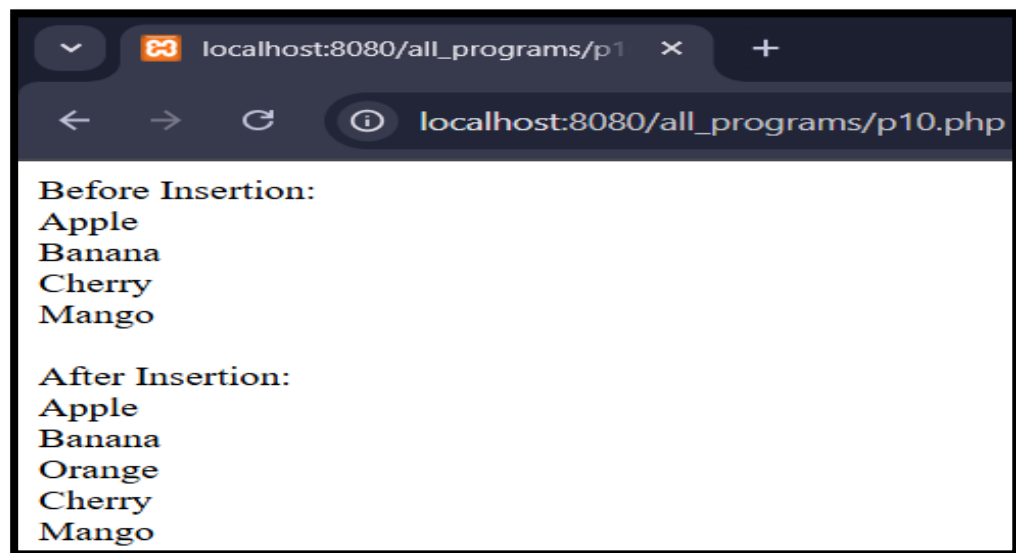
```php
$newItem = "Orange";

$position = 2; // Insert at index 2


// Insert the new item at the specified position

array_splice($array, $position, 0, $newItem);


echo "After Insertion:<br>";

foreach ($array as $item) {

    echo $item . "<br>"; // Print each item one by one

}

?>
```

OUTPUT:

11. Write a PHP script to implement constructor and destructor

```php
<?php

class Test {

    public $name;

    // Constructor with a variable

    public function __construct($name) {

        $this->name = $name;

        echo "Constructor: Object Created for $this->name!<br>";
```

```
    }
    // Destructor
    public function __destruct() {
        echo "</br>Destructor: Object for $this->name is Destroyed!<br>";
    }
}
// Creating an object with a name
$obj = new Test("John");
?>
```
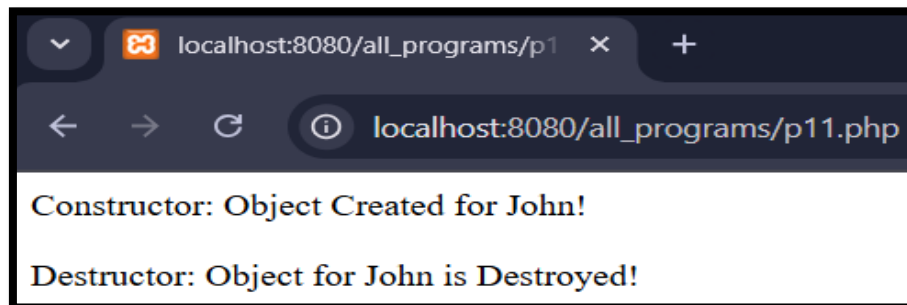
OUTPUT:

12. Write a PHP script to implement form handling using get method.

```
<!DOCTYPE html>
<html>
<head>
    <title>Simple Form (GET Method)</title>
</head>
<body>
    <h2>Enter your Details</h2>
    <form method="get">
        <label for="name">Name:</label>
        <input type="text" id="name" name="name" required><br><br>
        <label for="email">Email:</label>
        <input type="text" id="email" name="email" required><br><br>
        <input type="submit" value="Submit">
    </form>
```
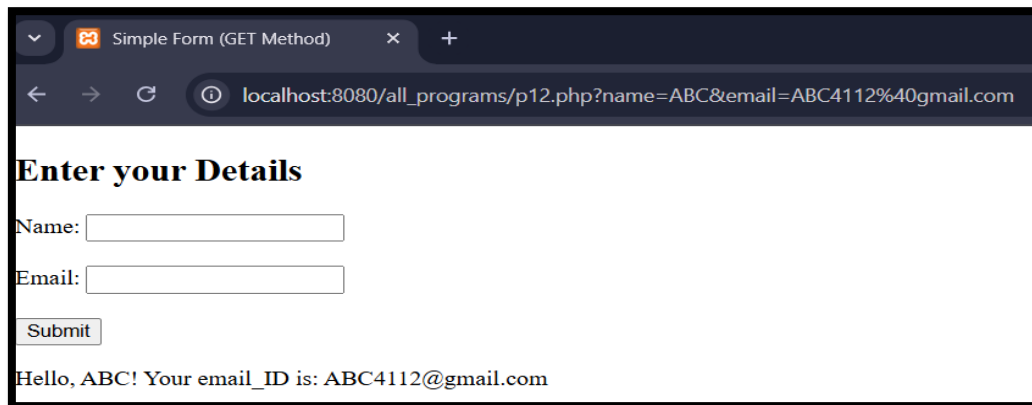
```php
<?php
// If the form is submitted and name and email are available, display them
if (isset($_GET['name']) && isset($_GET['email'])) {
    echo "<p>Hello, " . $_GET['name'] . "! Your email_ID is: " . $_GET['email']."</p>";
}
?>
</body>
</html>
```

OUTPUT:

13. Write a PHP script to implement form handling using post method.

```html
<!DOCTYPE html>
<html>
<head>
    <title>Simple Form Handling - POST Method</title>
</head>
<body>
    <h2>Simple Form</h2>
    <form method="post">
        <label for="name">Name:</label>
        <input type="text" id="name" name="name" required><br><br>
        <label for="email">Email:</label>
        <input type="email" id="email" name="email" required><br><br>
```

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

  </form>

  <?php

  if ($_SERVER['REQUEST_METHOD'] == 'POST')

  {

      if (isset($_POST['name']) && isset($_POST['email'])) {

      echo "<p>Hello, " . ($_POST['name']) . "! Your email_ID is: " . ($_POST['email']) . "</p>";

   }

  }

  ?>

</body>

</html>
```
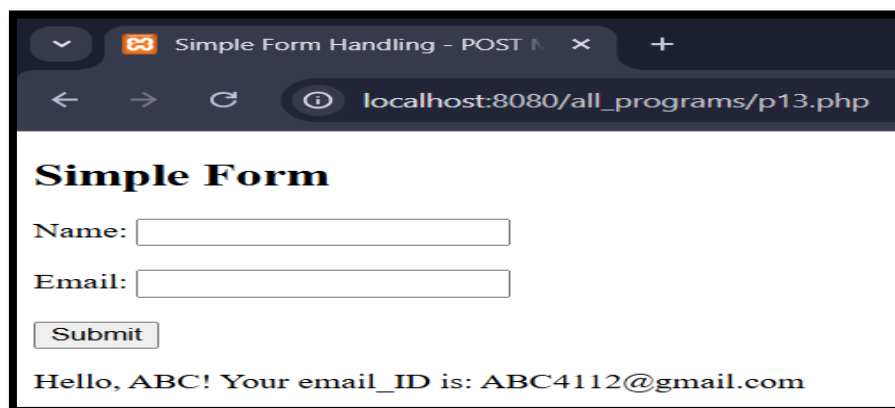
OUTPUT:

14. Write a PHP script that receive form input by the method post to check the number is prime or not.

```
<!DOCTYPE html>

<html>

<head>

  <title>Prime Number Checker</title>

</head>

<body>

  <h2>Check Prime Number</h2>

  <form method="POST">
```

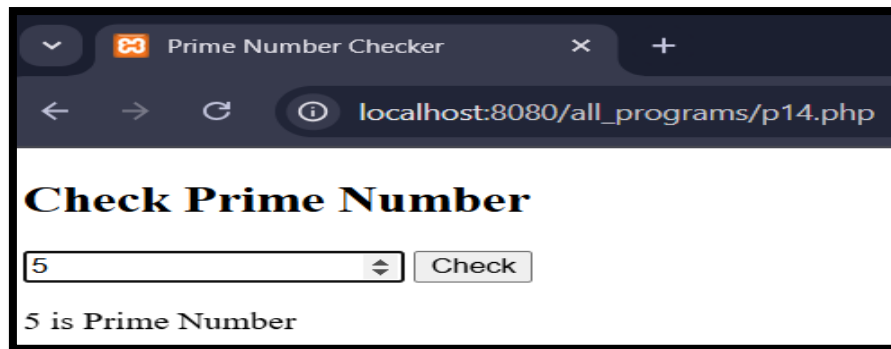```
    <input type="number" name="num" required>

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

  </form>

  <?php
  if (isset($_POST['num'])) {

    $num = $_POST['num'];

    $is_prime = true;

    if ($num < 2) {

      $is_prime = false;

    } else {

      for ($i = 2; $i < $num; $i++) {

        if ($num % $i == 0) {

          $is_prime = false;

          break;

        }

      }

    }

    echo $is_prime ? "<p>$num is Prime</p>" : "<p>$num is Not Prime</p>";

  }

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

**OUTPUT:**



**15. Write a PHP script that receive string as a form input.**

<!DOCTYPE html>

<html>

<head>

   <title>String Input Form</title>

</head>

<body>

  <h2>Enter a String</h2>

  <form method="POST">

     <input type="text" name="user_string" required>

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

  </form>


  <?php

  if (isset($_POST['user_string'])) {

     $input_string = htmlspecialchars($_POST['user_string']);

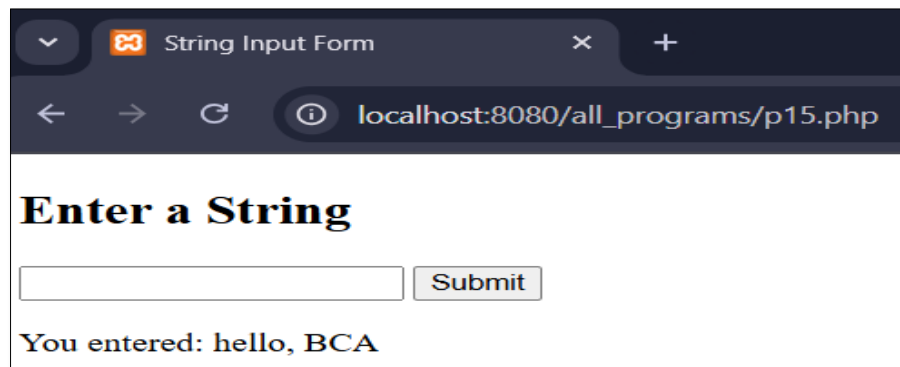     echo "<p>You entered: " . $input_string . "</p>";

  }

  ?>

</body>

</html>

**OUTPUT:**



**16. Write a PHP script to compute addition of two matrices as a form input.**

<!DOCTYPE html>

<html>

<head>

   <title>Matrix Addition</title>

</head>

<body>


<h2>Enter values for two 2x2 matrices:</h2>


<form method="post">

   <h3>Matrix A</h3>

   <input type="number" name="a00"> <input type="number" name="a01"><br>

   <input type="number" name="a10"> <input type="number" name="a11"><br>


   <h3>Matrix B</h3>

   <input type="number" name="b00"> <input type="number" name="b01"><br>

   <input type="number" name="b10"> <input type="number" name="b11"><br><br>


   <input type="submit" name="add" value="Add Matrices">

</form>


<?php

```php
if (isset($_POST['add']))

{
    $a00 = $_POST['a00'];

    $a01 = $_POST['a01'];

    $a10 = $_POST['a10'];

    $a11 = $_POST['a11'];


    $b00 = $_POST['b00'];

    $b01 = $_POST['b01'];

    $b10 = $_POST['b10'];

    $b11 = $_POST['b11'];

    $c00 = $a00 + $b00;

    $c01 = $a01 + $b01;

    $c10 = $a10 + $b10;

    $c11 = $a11 + $b11;

    echo "<h3>Result (A + B):</h3>";

    echo "$c00 $c01<br>";

    echo "$c10 $c11<br>";
}
?>


</body>

</html>
```

OUTPUT:

17. Write a PHP script to show the functionality of date and time function.

```php
<?php
date_default_timezone_set("Asia/Kolkata");        // Change this to your timezone
echo "Today is: " . date("d-m-Y") . "<br>";
echo "Time now is: " . date("h:i A");
?>
```

OUTPUT:

18. Write a PHP program to upload a file.

```php
<form method="post" enctype="multipart/form-data">
   <input type="file" name="file"><br><br>
   <input type="submit" name="upload" value="Upload">
</form>
<?php
if (isset($_POST['upload'])) {
   if (move_uploaded_file($_FILES["file"]["tmp_name"], $_FILES["file"]["name"])) {
      echo "✅ File uploaded successfully!";
   } else {
```
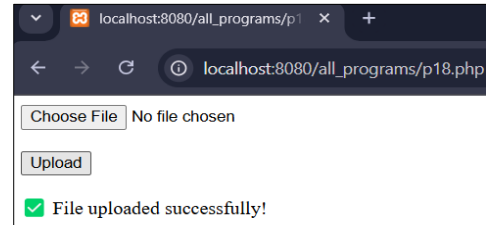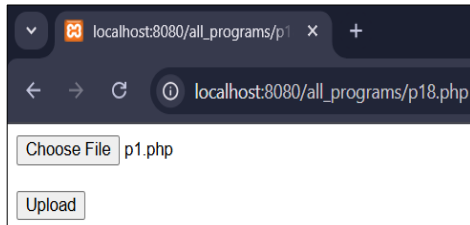
```
        echo " ✖  No file uploded.";

    }

}

?>
```
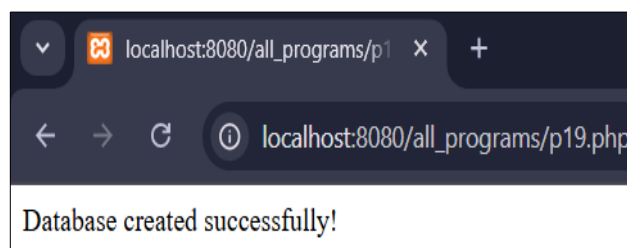
OUTPUT:

19. Write a PHP script to implement database creation

```
<?php

$conn = mysqli_connect("localhost", "root", "");

if ($conn) {

    $sql = "CREATE DATABASE mydb";

    if (mysqli_query($conn, $sql)) {

        echo "Database created successfully!";

    } else {

        echo "Error creating database.";

    }

} else {

    echo "Connection failed!";

}

?>
```
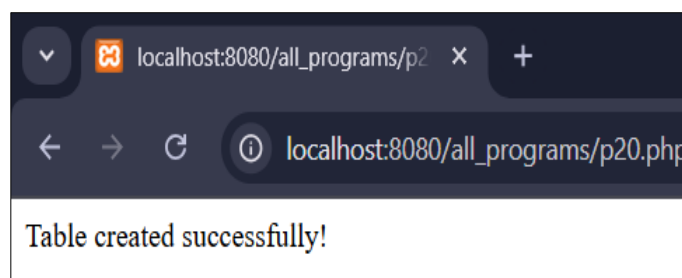
OUTPUT:

20. Write a PHP script to create table.

```php
<?php
$conn = mysqli_connect("localhost", "root", "", "mydb");
if ($conn) {
    $sql = "CREATE TABLE mytable (id INT, name VARCHAR(50))";
    if (mysqli_query($conn, $sql)) {
        echo "Table created successfully!";
    } else {
        echo "Error creating table.";
    }
} else {
    echo "Connection failed!";
}
?>
```

OUTPUT:

21. Develop a PHP program to design a college admission form using MYSQL database.

```php
<?php
// Step 1: Connect to MySQL and create DB + table if not exist
$conn = mysqli_connect("localhost", "root", "");

mysqli_query($conn, "CREATE DATABASE IF NOT EXISTS college");
mysqli_select_db($conn, "college");

$sql = "CREATE TABLE IF NOT EXISTS admission (
    id INT AUTO_INCREMENT PRIMARY KEY,
```

```php
    name VARCHAR(100),

    email VARCHAR(100),

    course VARCHAR(50)

)";

mysqli_query($conn, $sql);


// Step 2: Handle form submission

if (isset($_POST['submit'])) {

    $name = $_POST['name'];

    $email = $_POST['email'];

    $course = $_POST['course'];


    $insert = "INSERT INTO admission (name, email, course)

        VALUES ('$name', '$email', '$course')";


    if (mysqli_query($conn, $insert)) {

        echo "✅ Admission form submitted successfully!<br><br>";

    } else {

        echo "❌ Error submitting form.<br><br>";

    }

}

?>


<!-- Step 3: Display the form -->

<form method="post">

    Name: <input type="text" name="name" required><br><br>

    Email: <input type="email" name="email" required><br><br>

    Course:

    <select name="course" required>

        <option value="BCA">BCA</option>

        <option value="BBA">BBA</option>
```
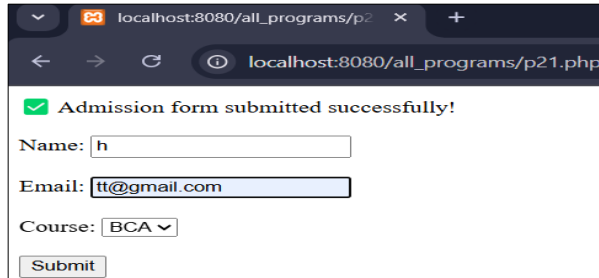
```
    <option value="BSc">BSc</option>
  </select><br><br>
  <input type="submit" name="submit" value="Submit">
</form>
```

OUTPUT: