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

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

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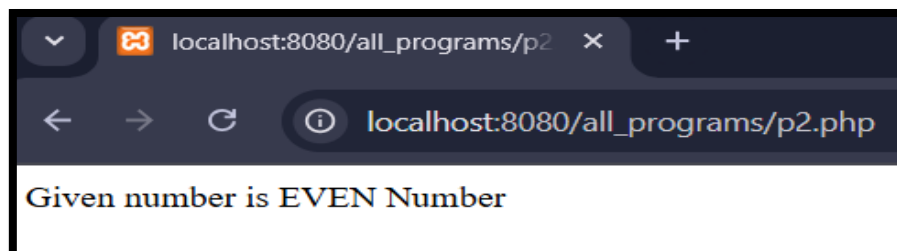
OUTPUT:
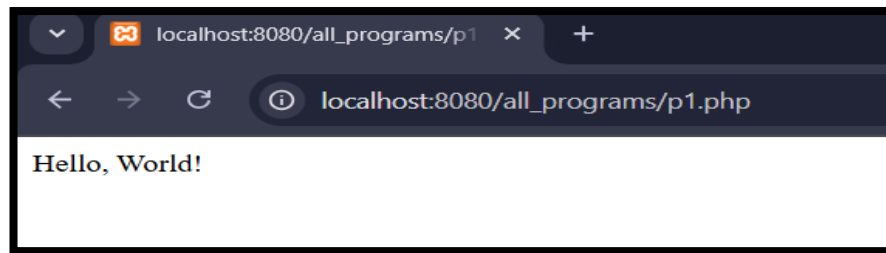
2. **Write a PHP script to find odd or even number from given number.**

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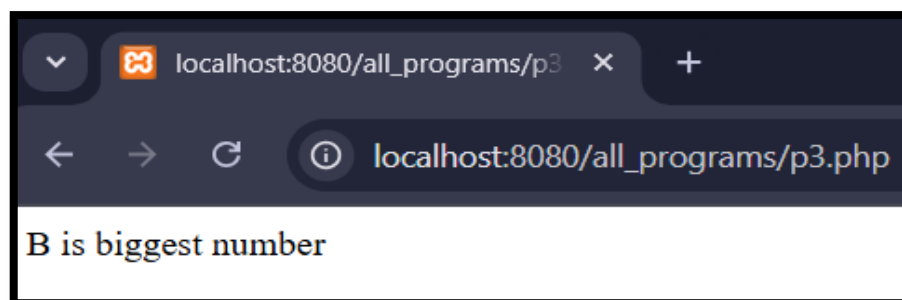
OUTPUT:

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

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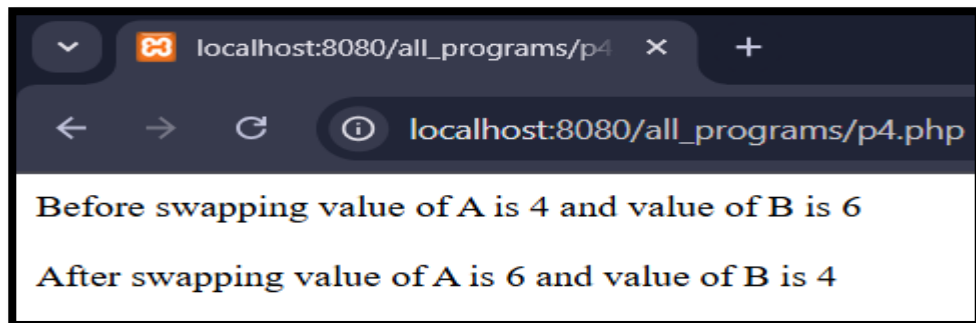
OUTPUT:

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;
```
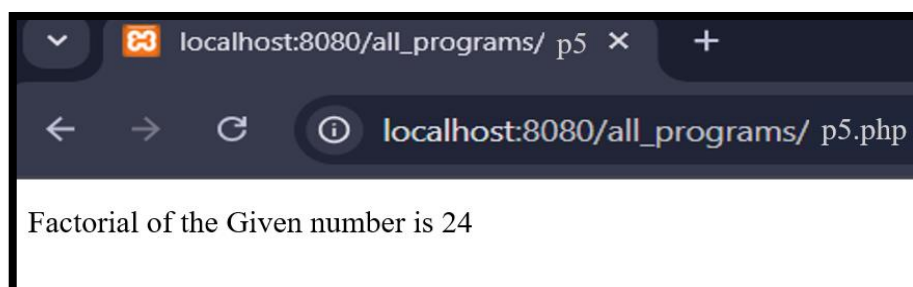
$b=$a-$b;

$a=$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:

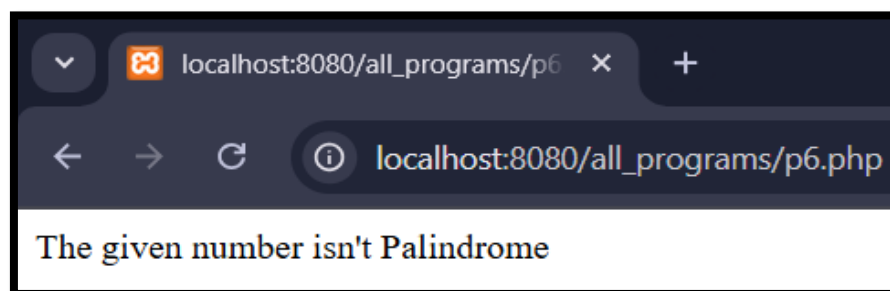6. **Write a PHP script to check whether given number is palindrome or not.**

```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";

}

?>
```
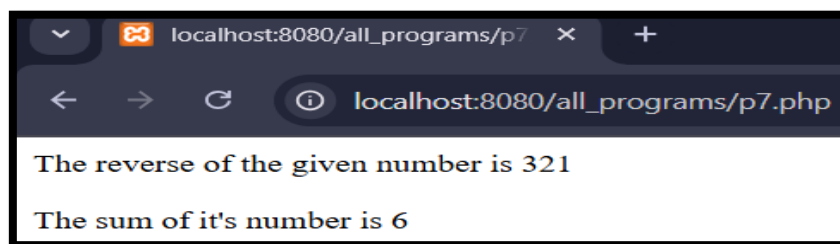
OUTPUT:

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";

?>
```
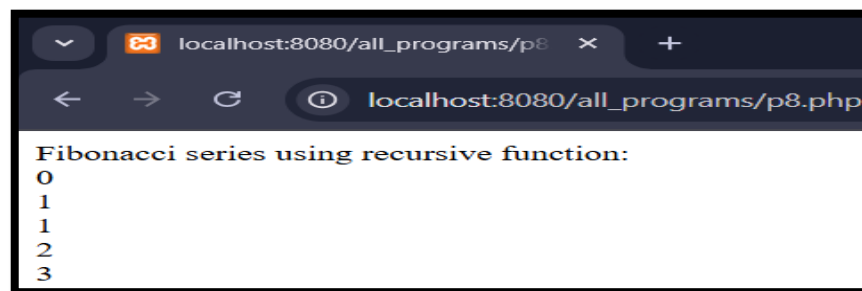
OUTPUT:

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:

Fibonacci series using recursive function:
0
1
1
2
3

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

   ```php
   <?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) . "

";

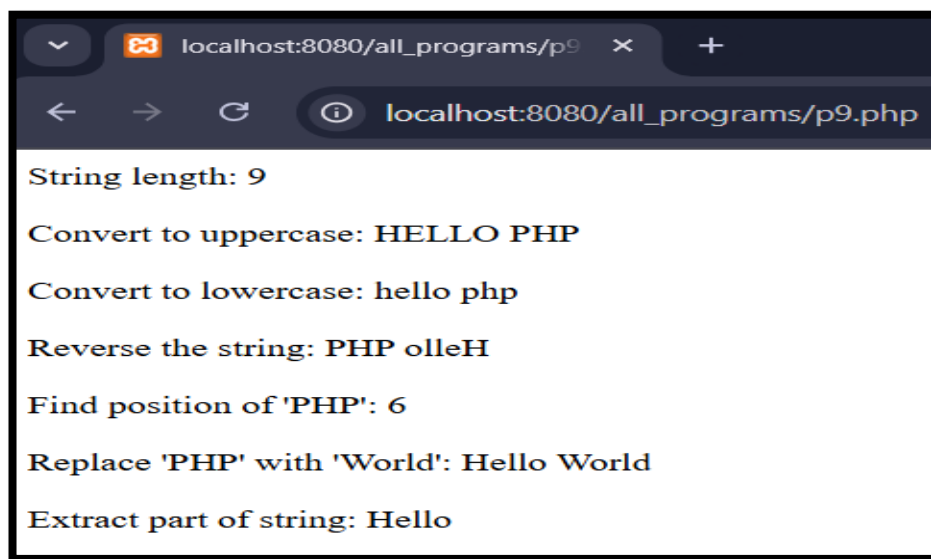echo "Reverse the string: ".strrev($text) . "

";

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

        }

        ?>
```
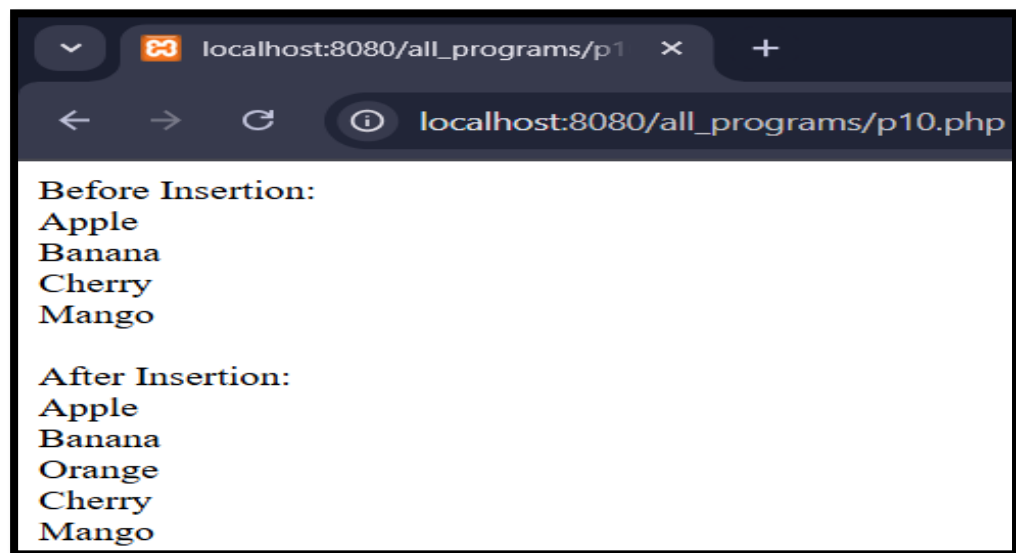
OUTPUT:

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>";
```

```php
    }

    // Destructor

    public function __destruct() {

        echo "</br>Destructor: Object for $this->name is Destroyed!<br>";

    }

}

// Creating an object with a name

$obj = new Test("John");

?>
```
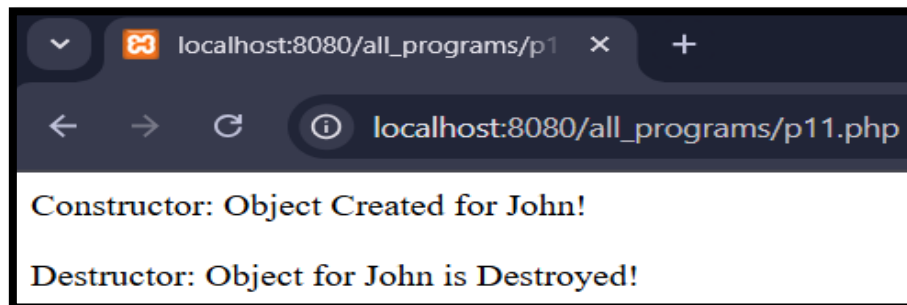
OUTPUT:

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

```html
<!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>
```
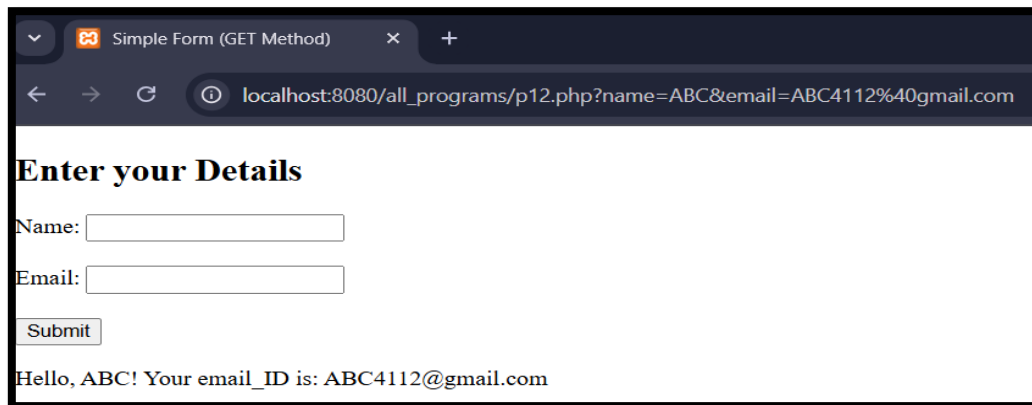
```php
<?php
// If the form is submitted and name and email are available, display them
if (isset($_GET['name']) && isset($_GET['email'])) {
    echo "<p>Hello, " . $_GET['name'] . "! Your email_ID is: " . $_GET['email']."</p>";
}
?>
</body>
</html>
```

OUTPUT:

Simple Form (GET Method)

localhost:8080/all_programs/p12.php?name=ABC&email=ABC4112%40gmail.com

Enter your Details

Name: [ ]

Email: [ ]

Submit

Hello, ABC! Your email_ID is: ABC4112@gmail.com

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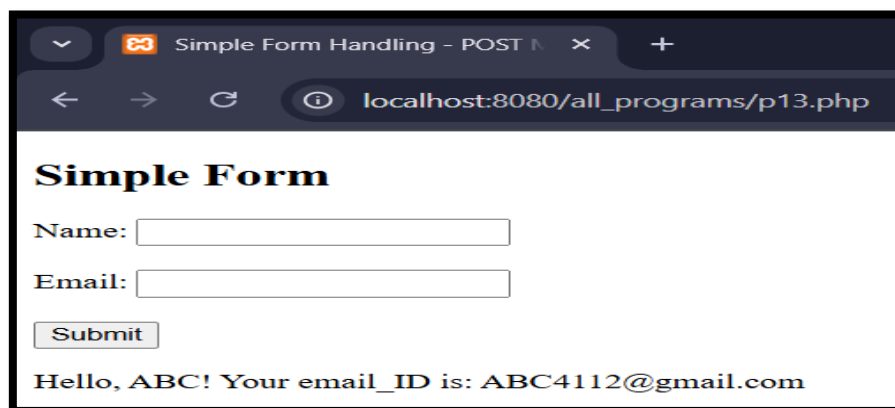
14. Write a PHP script that receive form input by the method post to check the number is prime or not.

```
<!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>
```
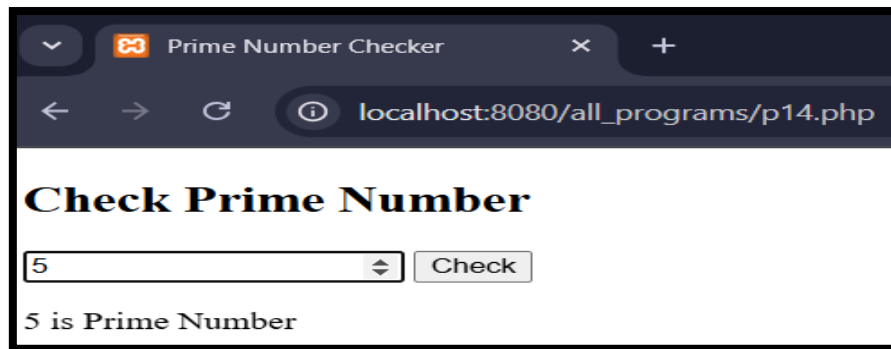
OUTPUT:

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: