

## PHP and MySQL Lab

### 1. Write a PHPscript to print “hello world”.

```
<!DOCTYPE html>
<html>
<body>
<h1>My first PHP page</h1>
<?php
echo "Hello World!";
?>
</body>
</html> Output:
```

# My first PHP page

Hello World!

**2. Write a PHPscript to find odd or even number from given number.**

```
<html>
<body>
<form method="post"> Enter
  a number:
  <input type="number" name="number">
  <input type="submit" value="Submit">
</form>
</body>
</html>
<?php if($_POST){
    $number = $_POST['number'];
    //divide entered number by 2
    //if the remainder is 0 then the number is even otherwise the number is odd
    if(($number % 2) == 0){
        echo "$number is an Even number";
    }else{ echo "$number is Odd
        number";
    }
}
?>
```

Output:

Enter a number:

24 is an Even number

**3. Write a PHPscript to find maximum of three numbers.**

```
<?php
$n1=120; $n2=55;
$n3=80; if($n1>$n2 &&
$n1>$n3){ echo "$n1 is
maximum"; }else
if($n2>$n1 && $n2>$n3){
echo "$n2 is maximum";
}else{ echo "$n3 is
maximum";
}
?>
```

Output:

120 is maximum

**4. Write a PHPscript to swap two numbers.**

```
<?php
$a = 45;
$b = 78;
// Swapping Logic
$third = $a; $a = $b; $b = $third; echo
"After swapping:<br><br>"; echo
"Value of a: $a</br>"; echo
"Value of b: $b</br>"; ?>
```

Output:

After swapping:

Value of a: 78

Value of b: 45

**5. Write a PHPscript to find the factorial of a number.**

```
<html>
<head>
<title>Factorial Program using loop in PHP</title>
</head>
<body>
<form method="post">
  <b> Enter the Number:<br>
    <input type="number" name="number" id="number">
    <input type="submit" name="submit" value="Submit" /></b>
</form>
<? php
if($_POST) {
    $fact = 1;
    //getting value from input text box 'number'
    $number = $_POST['number']; echo
    "Factorial of $number:<b>";

    //start loop for ($i = 1; $i <=
    $number; $i++){
        $fact = $fact * $i;
    }
    echo $fact . "<br>";
}
?>
</body>
</html> Output:
```

---

**Enter the Number:**

Factorial of 5:**120**

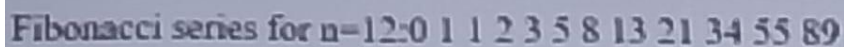
**6. Write a PHP script to generate a Fibonacci series using Recursive function.**

```
<?php
function fibonacci($n) {
    if($n==0)
        return 0;
    else if($n==1)
        return 1;
    else
        return(fibonacci($n-1)+fibonacci($n-2));
}

if(isset($_GET['n'])){ $n=$_GET['n'];

if(is_numeric($n) && $n>=0){
    echo "Fibonacci series for n=$n:";
    for($i=0;$i<$n;$i++)
        echo fibonacci($i) . " ";
}
else
    echo "please provide a valid non-negative numeric value for 'n'";
}
else
    echo "please provide a value for 'n' in the URL parameter";
?>
```

Output:



Fibonacci series for n=12:0 1 1 2 3 5 8 13 21 34 55 89

**7. Write a PHP script to implement atleast seven string functions.**

```
<?php
$string="I Like PHP Programming";
echo "Given String: $string<br/></br>";
// 1. String Length
$length=strlen($string);
echo "1.String length:$length<br/></br>";

// 2. uppercase
$uppercase = strtoupper($string);
echo "2. uppercase: $uppercase<br/></br>";

// 3. lowercase
$lowercase=strtolower($string); echo
"3.lowercase:$lowercase<br/></br>";

// 4. Substring
$substring = substr($string, 7);
echo "4. Substring from position 7: $substring <br/></br>";

// 5. Replace
$repalcestring = str_replace("Like", "Love", $string);
echo "5. Replace 'Like' with 'Love': $repalcestring<br/></br>";

// 6. Reverse
$reversedstring = strrev($string);
echo "6.Reversed string: $reversedstring<br/></br>";

// 7. word count
$wordcount = str_word_count($string);
echo "7. Word count: $wordcount<br/></br></br>";
?>
```

Output:

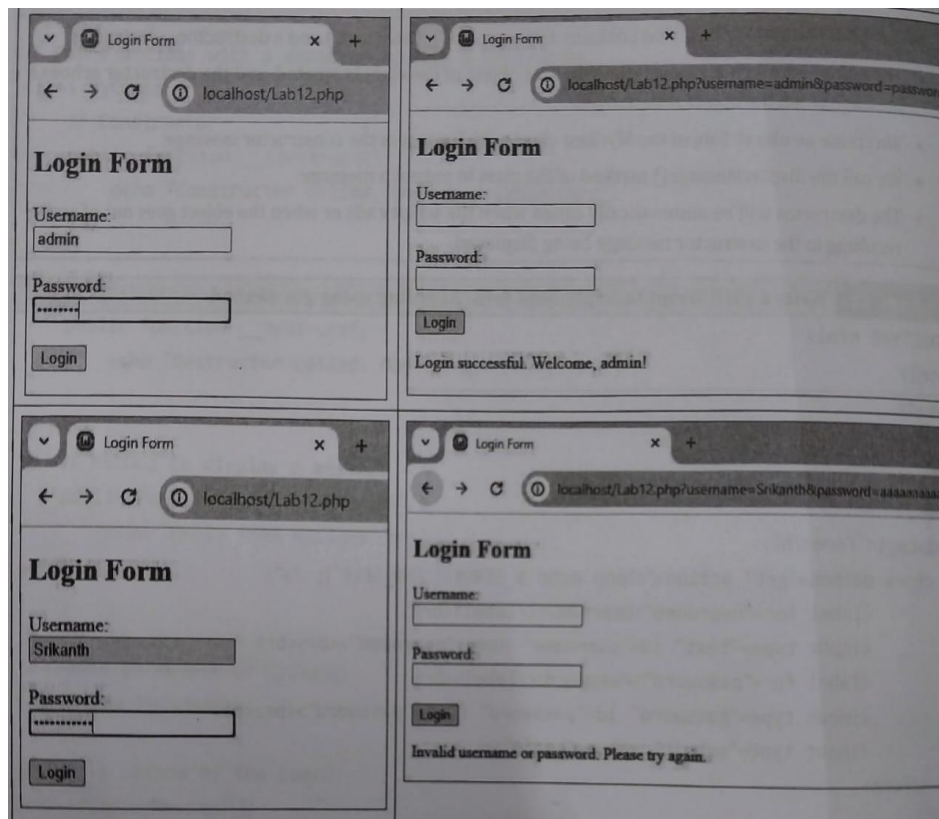
```
Given String:I Like PHP Programming
1.String length:22
2.uppercase:I LIKE PHP PROGRAMMING
3.lowercase:i like php programming
4.Substring from position 7:PHP Programming
5.Replace 'Like' with 'Love':I Love PHP Programming
6.Reversed string:gnimmargorP PHP ekiL I
7.Word count:4
```

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

```
<!DOCTYPE html>
<html>
<head>
<title> Login Form </title>
</head>
<body><h2>Login Form</h2>
<form method="get" action="<?php echo $_SERVER['PHP_SELF']; ?>">
<label for="username"> Username:</label><br>
<input type="text" id="username" name="username"></br></br>
<label for="password"> Password:</label><br>
<input type="password" id="password" name="password"></br></br>
<input type="submit" value="Login">
</form> <?php if(server["REQUEST_METHOD"]=="GET" &&
isset($_GET['username'])
&& isset($_GET['password'])) {
$username=$_GET['username'];
$password=$_GET['password']; if($username ==
"admin" && $password == "password")
echo "<p>Login successful. Welcome, $username!</p>";
else
echo "<p>Invalid username or password. Please try again.
</p>";
}
?>
</body>
</html>
```



Output:



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

```
<!DOCTYPE html>
<html>
<head>
<title> Login Form </title>
</head>
<body><h2>Login Form</h2>
<form method="post" action="<?php echo $_SERVER['PHP_SELF'];
?>">
<label for="username"> Username:</label><br>
<input type="text" id="username" name="username"></br></br>
<label for="password"> Password:</label><br>
<input type="password" id="password" name="password"></br></br>
<input type="submit" value="Login">
</form>
<?php
if($_server["REQUEST_METHOD"]=="POST" &&
isset($_POST['username']) && isset($_POST['password'])) {
$username=$_POST['username'];
$password=$_POST['password'];
if($username == "admin" && $password == "password")
    echo "<p>Login successful. Welcome, $username!</p>";
else
    echo "<p>Invalid username or password. Please try again.
</p>";
}
?>
</body>
</html>
```

Output:

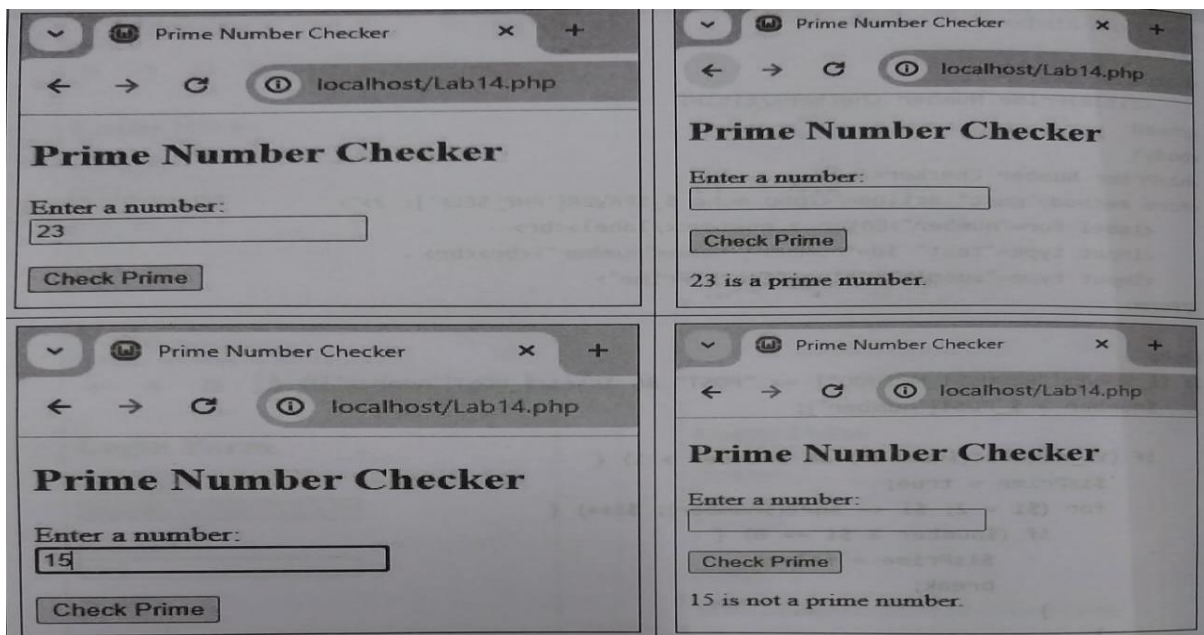
The image displays four sequential screenshots of a web browser window titled "Login Form" at the URL "localhost/Lab13.php".

- Top-Left Screenshot:** The "Login Form" is shown with the "Username:" field containing "admin" and the "Password:" field containing six dots. A "Login" button is at the bottom.
- Top-Right Screenshot:** The "Login Form" is shown with the "Username:" field containing "admin" and the "Password:" field containing six dots. A "Login" button is at the bottom. Below the button, a message reads: "Login successful. Welcome, admin!".
- Bottom-Left Screenshot:** The "Login Form" is shown with the "Username:" field containing "Srikanth" and the "Password:" field containing six dots. A "Login" button is at the bottom.
- Bottom-Right Screenshot:** The "Login Form" is shown with the "Username:" field containing "Srikanth" and the "Password:" field containing six dots. A "Login" button is at the bottom. Below the button, a message reads: "Invalid username or password. Please try again."

10. Write a PHP script that receive string as a form input.

```
<!DOCTYPE html>
<html>
<head>
<title> String Input Form</title>
</head>
<body>
<h2> String Input Form</h2>
<form method="post" action="<?php echo $_SERVER['PHP_SELF']; ?>">
<label for="inputString">Enter a String:</label></br>
<input type="text" id="inputString" name="inputString"></br></br>
<input type="submit" value="submit">
</form>
<?php
if($_SERVER["REQUEST_METHOD"]=="POST" && isset ($_POST['inputString'])) {
$inputString=$_POST['inputString'];
echo "<p>You entered: $inputString</p>";
}
?>
</body> </html>
```

Output:



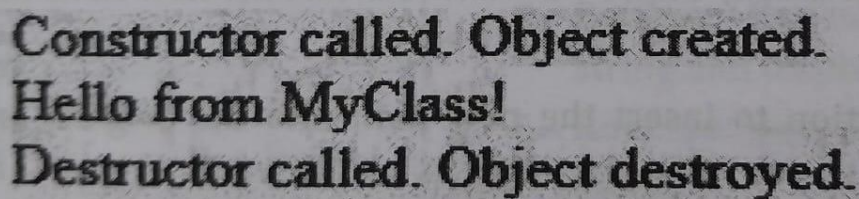
11. Write a PHP script to implement constructor and destructor.

```
<?php
class MyClass
{
    public function __construct() {
        echo "Constructor called. object created. <br>";
    }

    public function __destruct() {
        echo "Destructor called. object destroyed. <br>";
    }

    public function displayMessage()
    {
        echo "Hello from MyClass!";
    }
}
$obj = new MyClass();
$obj->displayMessage();
?>
```

Output:

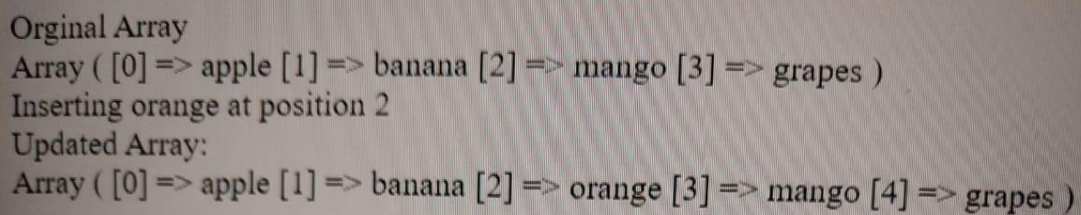


```
Constructor called. Object created.
Hello from MyClass!
Destructor called. Object destroyed.
```

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

```
<?php
$originalArray = array("apple", "banana", "mango", "grapes");
echo "Original Array <br>";
print_r($originalArray);
$newItem = "orange";
$insertPosition = 2;
echo "<br> Inserting $newItem at position $insertPosition <br>";
array_splice($originalArray, $insertPosition, 0, $newItem);
echo "Updated Array:<br>";
print_r($originalArray);
?>
```

Output:

A screenshot of a terminal window showing the output of a PHP script. The text is as follows:

```
Original Array
Array ( [0] => apple [1] => banana [2] => mango [3] => grapes )
Inserting orange at position 2
Updated Array:
Array ( [0] => apple [1] => banana [2] => orange [3] => mango [4] => grapes )
```