

# PHP LAB PROGRAMS

## 1. Write a php script to print hello world

```
<html>
<body>
<h1>This is my first PHP program!!!!!!</h1>
<?php
echo "Hello World!!!!";
?>
</body>
</html>
```

### Output:



## 2. Write a php script to find odd or even number from given number

```
<html>
<body>
<h1>Find a number is odd or even</h1>
<?php
$n=14;
if($n%2==0)
{
echo "$n is Even";
}
else {
echo "$n is Odd";
}
?>
</body>
</html>
```

## Output:



### 3. Write a php script to find maximum of three numbers

```
<html>
<body>
<h3>maximum of three numbers</h3>
<?php
$a=142;
$b=1489;
$c=14;
if($a>$b && $a>$c)
{ echo "$a is big";
} else if($b>$a && $b>$c)
{ echo "$b is big";
} else { echo "$c is big"; }
?>
</body>
</html>
```

## Output:



#### 4. Write a php script to swap two numbers

```
<html>
<body>
<h3>swapping of two numbers</h3>
<?php
$a=10;
$b=20;
echo "before swapping"."<br>";
echo "a=$a and b=$b"."<br>";
$temp=$a;
$a=$b;
$b=$temp;
echo "after swapping"."<br>";
echo "a=$a and b=$b";
?>
</body>
</html>
```

#### Output:

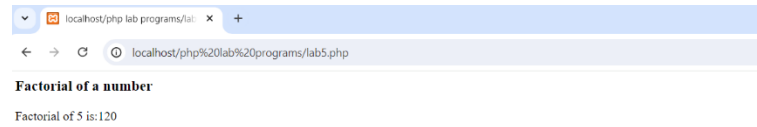


#### 5. Write a php script to find factorial of a number

```
<html>
<body>
<h3>Factorial of a number</h3>
<?php
$n=5;
$f=1;
for($i=1;$i<=$n;$i++)
{
    $f=$f*$i;
}
echo "Factorial of $n is: $f";
?>
```

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

## Output:



## 6. Write a php script to check whether given number is palindrome or not

```
<html>
<body>
<?php
$a="1234";
$b=strrev($a);
if($a==$b)
echo"It is a pallindrome";
else
echo"It is not pallindrome";
?>
</body>
</html>
```

## Output:



## 7. Write a php script to reverse a given number and calculate it sum

```
<html>
<body>
<?php
$n=972;
$x=$n;
echo"Given number is $n"."<br>";
$rev=0;
$sum=0;
while($n!=0)
{
$r=$n%10;
$rev=$rev*10+$r;
$sum=$sum+$r;
$n=(int)($n/10);
}
echo"Reverse of$x is $rev"."<br>";
echo" Sum of $x is $sum";
?>
</body>
</html>
```

### Output:



## 8. Write a php script to generate a Fibonacci series using recursive function

```
<html>
<body>
<h3>Fibanacci series</h3>
<?php
$n=10;
```

```

function fibo($n)
{
    if($n==0)
    {
        return 0;
    }
    else if($n==1)
    {
        return 1;
    }
    else {
        return (fibo($n-1)+fibo($n-2));
    }
}
for($i=0;$i<$n;$i++)
{
    echo fibo($i);
    echo "\n";
}
?>
</body>
</html>

```

### Output:



## 9. Write a php script to implement atleast seven string function

```

<html>
<body>
<?php
$str1="PHP is a SCRIPTING Language";
$str2=" Different String Functions ";
echo "The String1 is $str1";
echo "<br />The length of the string1 is ".strlen($str1);

```

```

echo "<br />The length of the string2 is ".strlen($str2);
echo "<br />After trimming string2 is ".strlen(trim($str2));
echo "<br />Number of words in the string1 is ".str_word_count($str1);
echo "<br />The reverse of the string1 is ".strrev($str1);
echo "<br />String1 is in Lower case ".strtolower($str1);
echo "<br />String1 is in Lower case ".strtoupper($str1);
echo "<br />After replace php to java is ".str_replace("PHP","Java",$str1);
echo "<br />Sub string of string1 is ".substr($str1,19,27);
echo "<br />The language is present at ".strpos($str1,'Language')." position";
?>
</body>
</html>

```

## Output:



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

```

php
<html>
<body>
<?php
$arr=[1,2,3,5];
$pos=3;
$val=4;
array_splice ($arr, $pos,0,$val);
Print_r($arr);
?>
</body>
</html>

```

## Output:



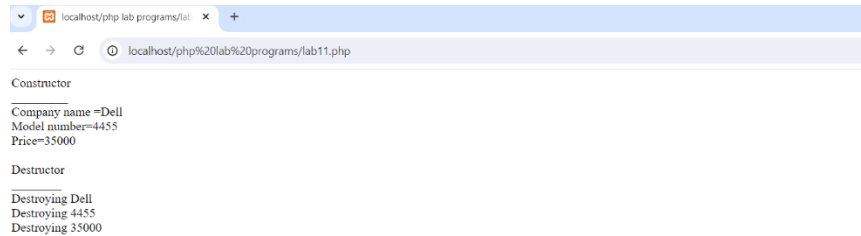
## 11. Write a php script to implement constructor and destructor

```
<?php
class laptop
{
var $company;
var $model;
var $price;
function __construct($x, $y,$z)
{
echo"Constructor"."<br>";
echo"_____". "<br>";
$this->company=$x;
$this->model=$y;
$this->price=$z;
}
function display()
{
echo "Company name =$this->company"."<br>";
echo "Model number=$this->model"."<br>";
echo "Price=$this->price"."<br>";
}
function __destruct()
{
echo "<br>". "Destructor"."<br>";
echo"_____". "<br>";
echo"Destroying ".$this->company."<br>";
echo"Destroying ".$this->model."<br>";
echo"Destroying ".$this->price."<br>";
}
}
```



```
$ob=new laptop("Dell","4455","35000");
$ob->display();
?>
```

## Output:



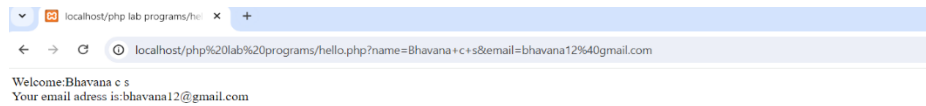
## 12..Write a php script to implement form handling function using get method

### hello.php

```
<html>
<body>
<?php
echo "Welcome:".$_GET["name"];
echo "<br>";
echo "Your email adress is:".$_GET["email"];
?>
</body>
</html>
```

```
<html>
<body>
<h3>form handling using get method</h3>
<form action="hello.php" method="get">
Name:<input type="text" name="name"><br>
E_Mail:<input type="text" name="email"><br>
<input type="submit">
</body>
</html>
```

## Output:



## 13. Write a php script to implement form handling function using Post method

### add.php

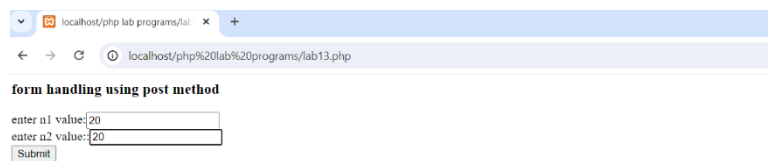
```
<html>
<body>
<?php
$a=$_POST["n1"];
$b=$_POST["n2"];
$sum=$a+$b;
echo "Sum of two numbers is $sum";
?>
</body>
</html>
```

```

<html>
<body>
<h3>form handling using post method</h3>
<form action="add.php" method="post">
enter n1 value:<input type="text" name="n1"><br>
enter n2 value:.<input type="text" name="n2"><br>
<input type="submit">
</body>
</html>

```

## Output:



**14. Write a php script that receive form input by the method post to check the number Is prime or not**

### prime.php

```

<html>
<body>
<?php
$n=$_POST["n1"];

```

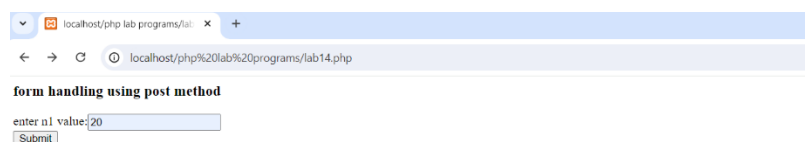
```

function prime($n)
{
if($n== 1)
return 0;
for ($i = 2; $i <= $n/2; $i++)
{
if ($n % $i == 0)
return 0;
} return 1;
}
$flag = prime($n);
if ($flag == 1)
echo "$n is Prime";
else
echo "$n is Not Prime"
?>
</body>
</html>

<html>
<body>
<h3>form handling using post method</h3>
<form action="prime.php"
method="post">
enter n1 value:<input type="text" name="n1"><br>
<input type="submit">
</body>
</html>

```

## Output:





## 15. Write a php script that receive string as form input

```
<html>
<body>
<h3>Program to receive string as a form input</h3>
<form method="POST">
Name: <input type="text" name="input"><br><br>
<input type="submit" name="sub" value="submit">
</form>
<?php
if(isset($_POST["sub"]))
{
    $n=$_POST["input"];
    echo"Name of the Department is $n";
}
?>
</body>
</html>
```

### Output:



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

```
<?php
if(isset($_POST['Addition']))
{
    $rows=$_POST['rows'];
    $cols=$_POST['cols'];
    $A=$_POST['A'];
    $B=$_POST['B'];
    $C=[];
    for($i=0;$i<$rows;$i++)
    {
        for($j=0;$j<$cols;$j++)
        {
            $C[$i][$j]=$A[$i][$j]+$B[$i][$j];
        }
    }
    echo"<h2>Matrix A+B:</h2>";
    echo"<table border='1'>";
    for($i=0;$i<$rows;$i++)
    {
        echo"<tr>";
        for($j=0;$j<$cols;$j++)
        {
            echo"<td>".$C[$i][$j]."</td>";
        }
        echo"</tr>";
    }
    echo"</table>";
    return;
}
?>

<html>
<body>
<h3> enter the rows And Columns </h3>
<form method="POST">
Rows :<input type="number" name="rows" required>
Columns:<input type="nuBer" name="cols" required>
<input type="submit" name="dimension" value="submit">
</form>
</body>
</html>
```

```

<?php
if(isset($_POST['dimension']))
{
    $rows=$_POST['rows'];
    $cols=$_POST['cols'];
    echo"<h3>Enter Matrix</h3>";
    echo"<form method='POST'>";
    echo"<input type='hidden' name='rows' value='$rows'> ";
    echo"<input type='hidden' name='cols' value='$cols'> ";
    echo"<h3>Matrix A</h3> ";
    for($i=0;$i<$rows;$i++)
    {
        for($j=0;$j<$cols;$j++)
        {
            echo"<input type='number' name='A[$i][$j]' required>";
        }
        echo"<br>";
    }
    echo"<h3>Matrix B</h3>";
    for($i=0;$i<$rows;$i++)
    {
        for($j=0;$j<$cols;$j++)
        {
            echo"<input type='number' name='B[$i][$j]' required>";
        }
        echo"<br>";
    }
    echo"<br>";
    echo"<input type='submit' name='Addition' value='Addition'>";
    echo"</form>";
}
?>

```

## Output:

enter the rows And Columns

Rows:  Columns:

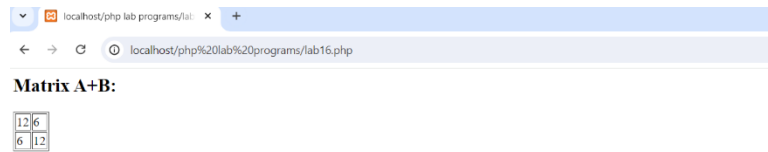
Enter Matrix

Matrix A

4	2
2	6

Matrix B

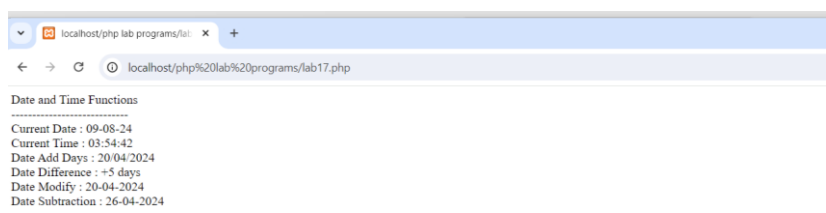
8	4
4	6



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

```
<?php
echo "Date and Time Functions <br>";
echo "-----<br>";
$curdate=date("d-m-y");
echo "Current Date : ".$curdate."<br>";
$curtime=time();
echo "Current Time : ".(date("h:i:s",$curtime))."<br>";
$date=new DateTime('15-04-2024');
$date->add(new DateInterval('P5D'));
echo "Date Add Days : ".$date->format('d/m/Y')."<br>";
$date1=new DateTime('15-04-2024');
$date2=new DateTime('20-04-2024');
$x=$date1->diff($date2);
echo "Date Difference : ".$x->format('%R%a days')."<br>";
$date=new DateTime('15-04-2024');
$date->modify('+5 days');
echo "Date Modify : ".$date->format('d-m-Y')."<br>";
$date=new DateTime('01-05-2024');
$x=new DateInterval('P5D');
$date->sub($x);
echo "Date Subtraction : ".$date->format('d-m-Y')."<br>";
echo "-----";
?>
```

### Output:





## 18. Write a php program to upload a file

```
<html>
<body>
<h3>Program to Upload a File</h3>
<form method="post" enctype="multipart/form-data">
Select a file to upload:<input type="file" name="file" id="file">
<input type="submit" value="Upload File" name="sub">
</form>
<?php
if(isset($_POST['sub']))
{
$file=$_FILES['file']['name'];
$filename=$_FILES['file']['tmp_name'];
$upload="c:\\xampp\\";
if(move_uploaded_file($filename,$upload.$file))
echo"File Uploaded Successfully";
else
echo"Failed to upload a file";
}
?>
</body>
</html>
```

### Output:



## 19. Write a php script to implement database creation

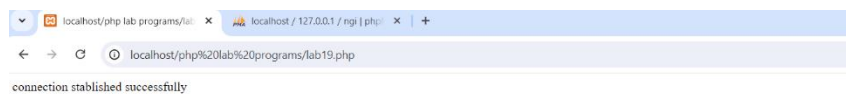
```
<?php
$servername="localhost";
$username="root";
$password="";
$database="ngi";
$con=mysqli_connect($servername,$username,$password,$database);
// $con=mysqli-connect("localhost","root","","library");
```

```

if(!$con)
{
    die("error detected".mysqli_error($con));
}
else
{
    echo"connection stablished successfully";
}
?>

```

## Output:



## 20. Write a php script to create table

```

<?php
$host = "localhost";
$username = "root";
$password = "";
$dbname = "college";
$conn = new mysqli($host, $username, $password);
$sql = "use $dbname";
$result = $conn->query($sql);
if ($result == 0)
    echo "Database Does not exists". "<br>";
else
{
    $sql = "create table staff(Staff_id int primary key, Staff_name
    varchar(20), Salary
    float(8,2))";
    $result = $conn->query($sql);
    if($result)
        echo "Table Created Successfully". "<br>";
    else

```

```

echo "Table already exists / Could not Create Table"."<br>";
}
?>

```

## Output:



**21. Develop a PHP program to design a college admission form using MySQL database. table "application" using the database "college" in MySQL as follow.**

**Create table application (sname varchar(20), fname varchar(20), mname varchar(20), dob date, gender varchar(10), email varchar(25), mobile int, address varchar(40), cname varchar(25), persen float(5,2), course varchar(10));**

```

<html>
<body>
<h2>College Application Form</h2>
<form action="lab21b.php" method="POST">
Name of the Student: <input type="text" name="sname" required>
<br><br>
Father's Name: <input type="text" name="fname" required> <br><br>
Mothers's Name: <input type="text" name="mname" required> <br><br>
Date of Birth: <input type="date" name="dob" required> <br><br>
Gender<select name="gender">
<Option value="Male"> Male </option>
<option value="Female"> Female </option>
</select> <br><br>
Email:<input type="email" name="email" required> <br><br>
Mobile:<input type="text" name="mobile" required> <br><br>
Address:<textarea name="address" required> </textarea><br><br>
PUC Collage Name: <input type="text" name="cname" required>
<br><br>
PUC Percentage: <input type="text" name="persen" required> <br><br>

```

```

Course Applied:<select name="course">
<option value="B.Sc">B.Sc</option>
<option value="BCA">BCA</option>
<option value="B.Com">B.Com</option>
</select> <br><br>
<input type="submit" name="sub" value="Submit"> <br><br>
</form>
</body>
</html>

```

### lab21b.php

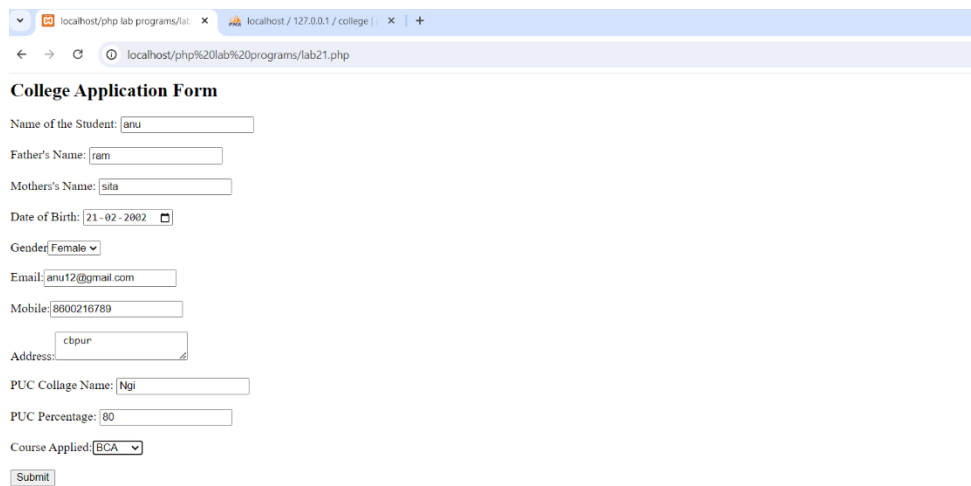
```

<html>
<?php
if(isset($_POST["sub"]))
{
$host ="localhost";
$username ="root";
$password = "";
$dbname="college";
$name=$_POST["sname"];
$fname=$_POST["fname"];
$mname=$_POST["mname"];
$dob=$_POST["dob"];
$gender=$_POST["gender"];
$email=$_POST["email"];
$mobile=$_POST["mobile"];
$address=$_POST["address"];
$cname=$_POST["cname"];
$percen=$_POST["percen"];
$course=$_POST["course"];
$conn = new mysqli($host,$username,$password, $dbname);
$sql="use $dbname";
$result=$conn->query($sql);
if($result == 0)
echo "Database Does not exists"."<br>";
else
{
$sql="insert into application values('$name','$fname','$mname',
'$dob','$gender','$email',
'$mobile','$address','$cname', '$percen','$course')";
$result=$conn->query($sql);
if($result)
echo "Record Inserted Successfully"."<br>";
}
}

```

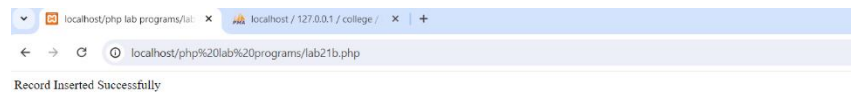
```
else
echo "Could not insert record:". "<br>";
}
}
?>
</body>
</html>
```

## Output:



A screenshot of a web browser displaying a 'College Application Form'. The browser's address bar shows the URL 'localhost/php%20lab%20programs/lab21.php'. The form contains the following fields and values:

- Name of the Student: anu
- Father's Name: ram
- Mother's Name: sita
- Date of Birth: 21-02-2002
- Gender: Female
- Email: anu12@gmail.com
- Mobile: 8800216789
- Address: cbpur
- PUC Collage Name: Ngi
- PUC Percentage: 80
- Course Applied: BCA
- Submit button



A screenshot of a web browser displaying a success message. The browser's address bar shows the URL 'localhost/php%20lab%20programs/lab21b.php'. The message displayed is 'Record Inserted Successfully'.

