

Lab 1 - Develop a PHP program to display prime numbers between the given range and display the total number of prime numbers--!>

File name -Lab1.php

```
<?php
$number=1;
while($number<30)
{
    $div_count=0;
    for($i=1;$i<=$number;$i++)
    {
        if(($number%$i)==0)
        {
            $div_count++;
        }
    }
    if($div_count<3)
    {
        echo $number."<br>";
    }
    $number=$number+1;
}
?>
```

OUTPUT:

1

2

3

5

7

11

13

17

19

23

29

Lab 2 - Develop a PHP program and check message passing mechanism between pages.

File name -Lab2.php

```
<html>

  <body>

    WELCOME <?php echo $_GET["sname"];?></br>

    Your address is:<?php echo $_GET["add"];?>

  </body>
</html>
```

File name -Lab2.html

```
<html>

  <body>

    <form action="lab2.php" method="get">

      Student Name:<input type ="text" name="sname"/><br>

      Address:<input type="text" name="add"/><br>

      <input type ="submit"/>

    </form>

  </body>
</html>
```

OUTPUT:

Student Name:

Address:

WELCOME vivek
Your address is:jkd

Lab 3 - Write a PHP program to implement simple calculator operations.

File name -Lab3.php

```
<html>

    <head>

        <title> Calculator program in PHP</title>

    </head>

<?php
$first_num=isset($_POST['first_num'])?$_POST['first_num']:'';
$second_num=isset($_POST['second_num'])?$_POST['second_num']:'';
$operator=isset($_POST['operator'])?$_POST['operator']:'';
$result='';
if(is_numeric($first_num)&& is_numeric($second_num))
{
    switch($operator)
    {
        case "Add":
            $result=$first_num+$second_num;
            break;
        case "Subtract":
            $result=$first_num-$second_num;
            break;
        case "Multiply":
            $result=$first_num*$second_num;
            break;
        case "Divide":
```

```

        $result=$first_num/$second_num;
    }
}
?>
<body>
    <div id="page-wrap">
        <h1>PHP-Simple Calculator Program</h1>
        <form action="" method="post">
            <p>
                <input type="number" name="first_num"
                id="first_num" required="required"
                value="<?php echo $first_num;?>"/>
                <b>FIRST NUMBER</b>
            </p>
            <p>
                <input type="number" name="second_num"
                id="second_num" required="required"
                value="<?php echo $second_num;?>"/>
                <b>SECOND NUMBER</b>
            </p>
            <p>
                <input readonly="readonly" name="result"
                value="<?php echo $result;?>">
                <b>RESULT</b>
            </p>
            <input type="submit" name="operator" value="Add"/>

```

```
<input type="submit" name="operator" value="Subtract"/>
<input type="submit" name="operator" value="Multiply"/>
<input type="submit" name="operator" value="Divide"/>
</form>
</div>
</body>
</html>
```

OUTPUT:

PHP-Simple Calculator Program

<input type="text" value="20"/>	FIRST NUMBER
<input type="text" value="30"/>	SECOND NUMBER
<input type="text" value="50"/>	RESULT
<input type="button" value="Add"/>	<input type="button" value="Subtract"/>
<input type="button" value="Multiply"/>	<input type="button" value="Divide"/>

OUTPUT:

PHP-Simple Calculator Program

<input type="text" value="20"/>	FIRST NUMBER
<input type="text" value="30"/>	SECOND NUMBER
<input type="text" value="600"/>	RESULT
<input type="button" value="Add"/>	<input type="button" value="Subtract"/>
<input type="button" value="Multiply"/>	<input type="button" value="Divide"/>

**Lab 4 - Develop a PHP program to demonstrate String functions.
(any 6).**

File name -Lab4.php

```
<?php
$str="Welcome to BLDEA college vijaypur";
echo $str."<br>";
echo "Length of the string is:".strlen($str)."<br>";
echo "Number of words in the string are:".str_word_count($str)."<br>";
echo "Reverse:".strrev($str)."<br>";
echo "Position of 'college' in string :".strpos($str,'college')."<br>";
$str=str_replace("vijaypur","jamkhandi","Welcome to BLDEA college
vijaypur");
echo "String replaced:".$str."<br>";
echo "Capitalize each word first char:".ucwords($str)."<br>";
echo "To uppercase:".strtoupper($str)."<br>";
echo "To Lowercase:".strtolower($str)."<br>";
echo "Substring:".substr($str,11,5)."<br>";
echo "Repeat String :".str_repeat($str,2);
?>
```


OUTPUT:

Welcome to BLDEA college vijaypur

Length of the string is:33

Number of words in the string are:5

Reverse:rupyajiv egelloc AEDLB ot emocleW

Position of 'college' in string :17

String replaced:Welcome to BLDEA college jamkhandi

Capitalize each word first char:Welcome To BLDEA College Jamkhandi

To uppercase:WELCOME TO BLDEA COLLEGE JAMKHANDI

To Lowercase:welcome to bldea college jamkhandi

Substring:BLDEA

Repeat String :Welcome to BLDEA college jamkhandiWelcome to BLDEA college jamkhandi

Lab 5 - Write a PHP program to illustrate built in Array manipulation functions.(any 6)

File name -Lab5.php

```
<?php
$fruits = array("apple", "banana", "cherry");
echo "Fruits: ";
foreach ($fruits as $fruit)
{
    echo $fruit . " ";
}
echo "\n";
$keys = array("a", "b", "c");
$combined = array_combine($keys, $fruits);
echo "Combined Array: ";
foreach ($combined as $key => $value)
{
    echo "[$key => $value] ";
}

echo "\n";
$flipped = array_flip($fruits);
echo "Flipped Array: ";
foreach ($flipped as $key => $value)
{
    echo "[$key => $value] ";
}

echo "\n";
$chunks = array_chunk($fruits, 2);
echo "Chunks of Array: ";
foreach ($chunks as $chunk)
{
    echo "[" . implode(" ", $chunk) . "] ";
}
```

```
echo "\n";
$result = in_array("banana", $fruits);
echo "Value 'banana' Exists: " . ($result ? "Yes" : "No");

echo "\n";
$key = array_search("banana", $fruits);
echo "Key for 'banana': " . $key;
?>
```

OUTPUT:

```
Fruits: apple banana cherry
Combined Array: [a => apple] [b => banana] [c => cherry]
Flipped Array: [apple => 0] [banana => 1] [cherry => 2]
Chunks of Array: [apple, banana] [cherry]
Value 'banana' Exists: Yes
Key for 'banana': 1
```

Lab 6 - Write a PHP program that displays a different message based on time of day. For example page should display “Good Morning” if it is accessed in the morning

File name -Lab6.php

```
<?PHP
date_default_timezone_set("Asia/Kolkata");
$current_time=date('G');
if($current_time>=12 && $current_time<=16)
{
    echo "Good Afternoon!";
}
elseif($current_time>=17 && $current_time<=24)
{
    echo "Good Evening!";
}
elseif($current_time>=1 && $current_time<=5)
{
    echo "Working Late?";
}
elseif($current_time>=6 && $current_time<=11)
{
    echo "<H1>". "Good Morning!". "</H1>";
}
?>
```

OUTPUT:

Good Morning!

Lab 7 - Write a PHP program that accepts two numbers using a web form and calculates greatest common divisor(GCD) and least common multiple(LCM) of entered numbers.(Use recursive function)

File name -Lab7.php

```
<html>

<?php

function gcd($x,$y)
{
    if($y==0)
        return $x;
    return gcd($y,$x%$y);
}

$x=isset($_POST['first_num'])?$_POST['first_num']:'';
$y=isset($_POST['second_num'])?$_POST['second_num']:'';
$gcd='';
$lcm='';
if(is_numeric($x)&&is_numeric($y))
{
    $gcd=gcd($x,$y);
    $lcm=($x*$y)/gcd($x,$y);
}

?>

<body>

    <h1>PHP-Simple GCD and LCM program</h1>

    <form action="" method="post">

        <p>
```

```
<input type="number" name="first_num"
id="first_num" required="required"
value="<?php echo $first_num;?>"/>
<b>FIRST NUMBER</b>
</p>
<p>
<input type="number" name="second_num"
id="second_num" required="required"
value="<?php echo $second_num;?>"/>
<b>SECOND NUMBER</b>
</p>
<p>
<input readonly="readonly" name="result"
value="<?php echo $gcd;?>">
<b>GCD</b>
</p>
<p>
<input readonly="readonly" name="result"
value="<?php echo $lcm;?>">
<b>LCM</b>
</p>
<input type="submit" name="operator" value="SUBMIT"/>
</form>
</body>
</html>
```

OUTPUT:

PHP-Simple GCD and LCM program

<input type="text" value="20"/>	FIRST NUMBER
<input type="text" value="50"/>	SECOND NUMBER
<input type="text"/>	GCD
<input type="text"/>	LCM
<input type="button" value="SUBMIT"/>	

PHP-Simple GCD and LCM program

<input type="text"/>	FIRST NUMBER
<input type="text"/>	SECOND NUMBER
<input type="text" value="10"/>	GCD
<input type="text" value="100"/>	LCM
<input type="button" value="SUBMIT"/>	

Lab 8 - Develop a PHP program to demonstrate constructors and destructors.

File name -Lab8.php

```
<?php
class Person
{
    private $fname;
    private $lname;
    public function __construct($fname, $lname)
    {
        echo "Initialising the object...\n";
        $this->fname = $fname;
        $this->lname = $lname;
    }
    public function __destruct()
    {
        echo "Destroying Object...";
    }
    public function showName()
    {
        echo "My name is: " . $this->fname . " " . $this->lname . "\n";
    }
}
$john = new Person("Chanakya", "Tubachi");
$john->showName();
?>
```

OUTPUT:

Initialising the object...

My name is: Chanakya Tubachi

Destroying Object...

Lab 9 - Develop a PHP code to read the values entered into the form using the MySQL database.

File name -connect.php

```
<?php
```

```
$servername="localhost";
```

```
$username="root";
```

```
$password="";
```

```
$dbname="student";
```

```
//create connection
```

```
$conn=new mysqli($servername,$username,$password,$dbname);
```

```
//check connection
```

```
if($conn->connect_error)
```

```
{
```

```
    die("connection failed:".$conn->connect_error);
```

```
}
```

```
?>
```

File name -Lab9.html

```
<html>
<head>
</head>
<body bgcolor="lightblue">
<center>
<table border="1">
<caption>Insert Data Into DataBase</caption>
<tr><form action ="lab9i.php" method="POST"></tr>
<tr><td>Name:</td><td><input type=text name="uname"></td></tr>
<tr><td>Address:</td><td><input type=text name="addr"></td></tr>
<tr><td>Age:</td><td><input type=text name="age"></td></tr>
<tr><td></td>
<tr><td></td><td align="center"><input type="submit" value="Insert"></td>
</form></tr>
<tr>
<form action="lab9s.php" method="POST">
<tr><td>Name:</td><td><input type=text name="name"></td></tr>
<td>
<tr><td></td><td align="center"><input type ="submit" name=""
value="search"></td>
</form>
</table>
</center>
</body>
</html>
```

File name -Lab9i.php

```
<?PHP
```

```
include "connect.php";
```

```
$uname=$_POST["uname"];
```

```
$addr=$_POST["addr"];
```

```
$age=$_POST["age"];
```

```
$sql="INSERT INTO std VALUES('$uname','$addr','$age')";
```

```
if($conn->query($sql)===TRUE)
```

```
{
```

```
    echo "NEW RECORD CREATED SUCCESSFULLY";
```

```
}
```

```
else
```

```
{
```

```
    echo "ERROR:". $sql. "<br>". $conn->error;
```

```
}
```

```
$conn->close();
```

File name -Lab9s.php

```
<?php
include "connect.php";
$name=$_POST["name"];
$res=mysqli_query($conn,"select * from std where uname='$name'");
if(mysqli_num_rows($res)===0)
{
    echo "RECORDS NOT FOUND";
}
else
{
    while($arr=mysqli_fetch_row($res))
    {
        echo $arr[0];
        echo $arr[1];
        echo $arr[2];
    }
}
?>
```

OUTPUT:

Insert Data Into DataBase	
Name:	<input type="text"/>
Address:	<input type="text"/>
Age:	<input type="text"/>
<input type="button" value="Insert"/>	
Name:	<input type="text"/>
<input type="button" value="search"/>	

OUTPUT:

Insert Data Into DataBase	
Name:	Vivek davanakatti
Address:	jkd
Age:	21
<input type="button" value="Insert"/>	
Name:	<input type="text"/>
<input type="button" value="search"/>	

OUTPUT:

NEW RECORD CREATED SUCCESSFULLY

OUTPUT:

Insert Data Into DataBase	
Name:	<input type="text"/>
Address:	<input type="text"/>
Age:	<input type="text"/>
	<input type="button" value="Insert"/>
Name:	<input type="text" value="Vivek davanakatti"/>
	<input type="button" value="search"/>

OUTPUT:

Vivek davanakatti jkd 21