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;
}
?>
```

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

File name -Lab2.html

OUTPUT: Student Name: vivek Address: jkd Submit

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"Substract":
        $result=$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">
     >
       <input type="number" name="first_num"</pre>
       id="first_num" required="required"
       value="<?php echo $first_num;?>"/>
       <b>FIRST NUMBER</b>
     >
       <input type="number" name="second_num"</pre>
       id="second_num" required="required"
       value="<?php echo $second_num;?>"/>
       <b>SECOND NUMBER</b>
     >
       <input readonly="readonly" name="result"
       value="<?php echo $result;?>">
       <b>RESULT</b>
     <input type="submit" name="operator" value="Add"/>
```

PHP-Simple Calculator Program

20	FIRST NUMBER
30	SECOND NUMBER
50	RESULT
Add Substract N	Multiply Divide

OUTPUT:

PHP-Simple Calculator Program

20		FIRS	ST NUMBER
30		SEC	OND NUMBER
600		RES	ULT
Add	Substract	Multiply Div	ride

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);
?>
```

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;
?>
```

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);
 \frac{(x^*y)}{gcd(x,y)}
}
?>
<body>
  <h1>PHP-Simple GCD and LCM program</h1>
  <form action="" method="post">
    >
```

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

PHP-Simple GCD and LCM program

20	FIRST NUMBER
50	SECOND NUMBER
	GCD
	LCM
SUBMIT	

PHP-Simple GCD and LCM program

	FIRST NUMBER
	SECOND NUMBER
10	GCD
100	LCM
SUBMIT	

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

File name -Lab8.php

```
<?php
  class Person
    private $fname;
    private $Iname;
    public function __construct($fname, $lname)
      echo "Initialising the object...\n";
      $this->fname = $fname;
      $this->Iname = $Iname;
    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...

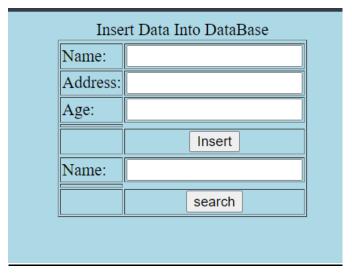
Lab 9 - Develop a PHP code to read the values entered into the form using the MySQL database.

```
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);
}
?>
```

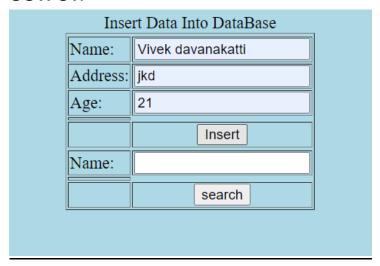
```
File name -Lab9.html
<html>
<head>
</head>
<body bgcolor="lightblue">
<center>
<caption>Insert Data Into DataBase</caption>
<form action ="lab9i.php" method="POST">
Name:input type=text name="uname">
Address:<input type=text name="addr">
Age:<input type=text name="age">
input type="submit" value="Insert">
</form>
<form action="lab9s.php" method="POST">
Name:input type=text name="name">
align="center"><input type ="submit" name=""
value="search">
</form>
</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(\$sqI)===TRUE) { echo "NEW RECORD CREATED SUCCESSFULLY"; } else { echo "ERROR:".\$sql."
".\$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];
 }
}
?>
```

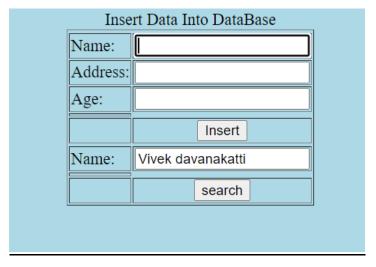


OUTPUT:



OUTPUT:

NEW RECORD CREATED SUCCESSFULLY



OUTPUT:

Vivek davanakatti jkd 21