

Examination No. ....

Yashwant Shikshan Sanstha's  
**Miraj Mahavidyalaya, Miraj**  
[Arts Commerce & Science]



**Department of Computer**

**Laboratory Certificate**

*This is to certify that,*

**Mr. Ganesh Suryakant Jayatalkar**

*Roll No 35 has satisfactorily completed the necessary practical course in **Computer Application** as prescribed by the Shivaji University, Kolhapur for **B.C.A. II** and his journal represents his/her bonafide work during the academic year **2022 -2023***

Date ...23/05/2023.....

1. ....

2. ....

Practical Incharge

External Examiner

Head Of Department.

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**Course Code: CCL 405(PHP)**

**Class: - BCA-II (Sem-IV)**

**Year: - 2022-23**

**Student Name: - Ganesh Suryakant Jayatalkar.**

**Roll No: - 35**

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2	Write PHP program to find the factorial of a number.	3	20/02/2023	
3	Write a PHP program to count the total number of a words in a string.	4	10/03/2023	
4	Write a program in PHP to find the occurrence of a word in a string	5	27/03/2023	
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6	Write a PHP program to demonstrate various functions of regular expression.	9-12	24/04/2023	
7	Write a PHP program to find area of triangle and rectangle using functions.	13-18	15/05/2023	

## Assignment No: - 01

**Assignment Name:** - Write a PHP program to swap two numbers with and without using third variable.

**Class:** - BCA-II

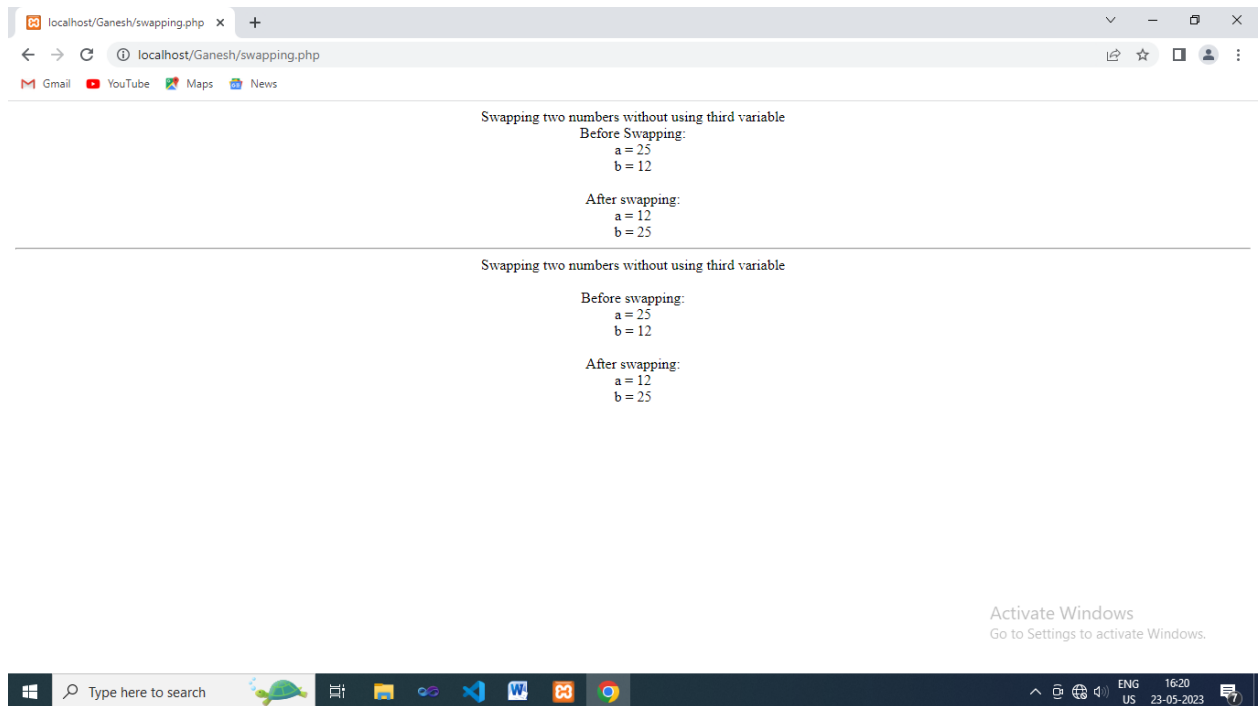
**Roll No:** - 35

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```
<?php
echo "<center>";
echo "Swapping two numbers without using third variable <br>";
echo "Before Swapping:<br>";
$a = 25;
$b = 12;
echo "a = $a<br>";
echo "b = $b<br><br>";
echo "After swapping:<br>";
$a = $a + $b;
$b = $a - $b;
$a = $a - $b;
echo "a = $a<br>";
echo "b = $b";

echo "<br>";
echo "Swapping two numbers without using third variable";
$a=25;
echo "<br>";
$b=12;
echo "<br>";
echo "Before swapping:<br> ";
echo "a = $a<br>";
echo "b = $b<br><br>";
$a=$a+$b;
$b=$a-$b;
$a=$a-$b;
echo "After swapping:<br>";
echo "a = $a<br>";
echo "b = $b";
echo "</center>";
?>
```

# OUTPUT:



## Assignment No: - 02

**Assignment Name:** - Write a PHP program to find the factorial of a number.

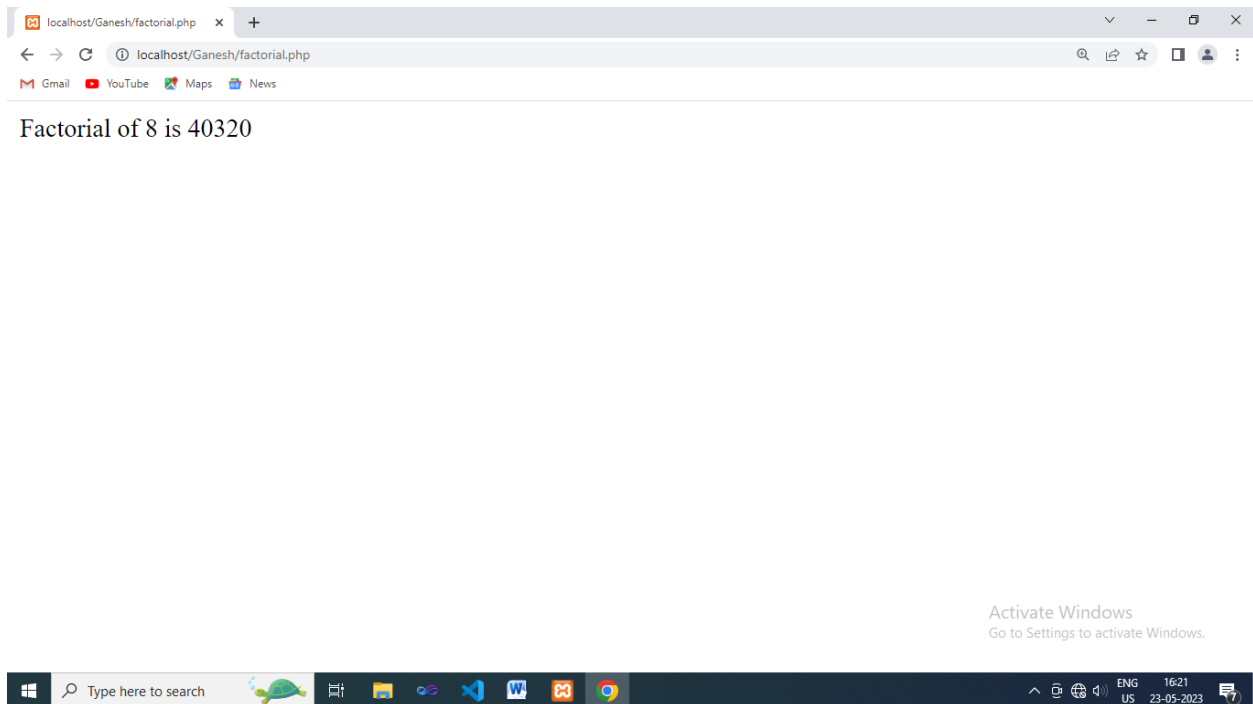
**Class:** - BCA-II

**Roll No:** - 35

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```
<?php
$x=8;
$fact=1; for($i=$x;$i>=1;$i--)
{
$fact=$fact*$i;
}
echo "Factorial of $x is $fact";
?>
```

### OUTPUT:



## Assignment No: - 03

**Assignment Name:** - Write a PHP program to count the total number of words in a string.

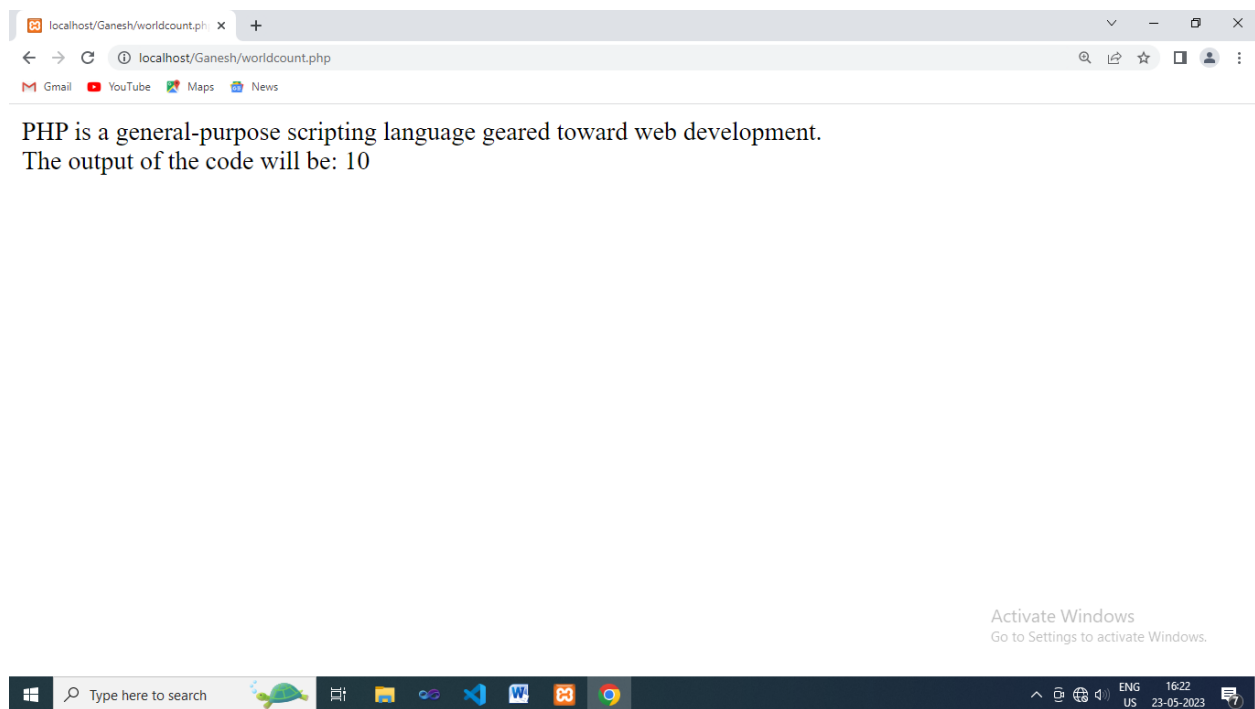
**Class:** - BCA-II

**Roll No:** - 35

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```
<?php
echo "PHP is a general-purpose scripting language geared toward web development.";
echo"<br>";
echo "The output of the code will be: ";
echo str_word_count("PHP is a general-purpose scripting language geared toward web
development.");
?>
```

## OUTPUT:



## Assignment No: - 04

**Assignment Name:** - Write a program in PHP to find the occurrence of a word in a string.

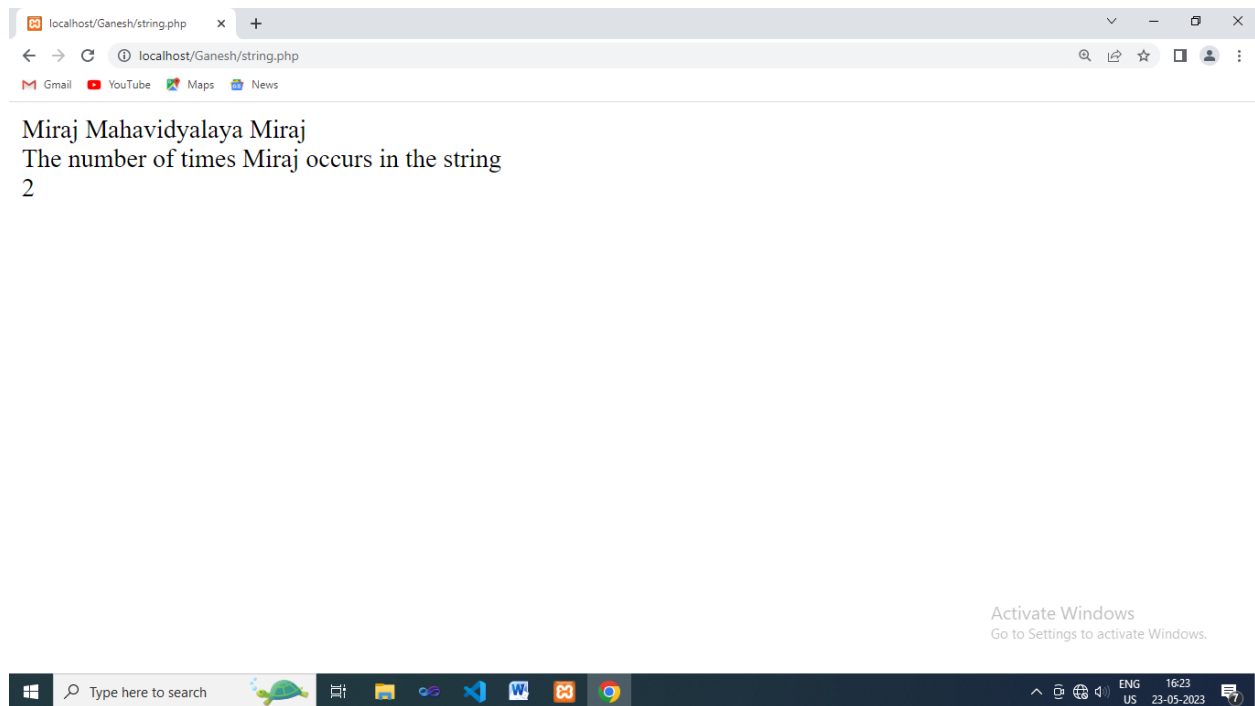
**Class:** - BCA-II

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```
<?php
$x="Miraj Mahavidyalaya Miraj"; echo $x;
echo"<br>";
echo"The number of times Miraj occurs in the string"; echo"<br>";
echo substr_count($x,"Miraj")."<br>"; echo"<br>";
?>
```

## OUTPUT:



## Assignment No: - 05

**Assignment Name:** - Write a program using arrays.

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**Roll No:** - 35

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```
<?php
$name=array("Ganesh","Darshan","Aditya","Dinesh","Raj","Prem");
echo "<b>Numeric Index Array</b>";
echo "<br>"; echo "<br>";
echo " <b>Two way to define Numeric Index Array</b>"; echo "<br>";
echo "<br>"; echo "1st way"; echo "<br>"; echo "<br>";
echo $name[0]."<br>"; echo $name[1]."<br>"; echo $name[2]."<br>"; echo $name[3]."<br>";
echo $name[4]."<br>"; echo $name[5]."<br>";

echo "<br>"; echo "<br>"; echo "2nd way"; echo "<br>";
$name[0]='Ganesh';
$name[1]='Darshan';
$name[2]='Aditya'; echo "<br>";
echo "Name: $name[0], $name[1] and $name[2]"; echo "<hr>";

echo "<b>Traversing PHP Indexed Array</b>"; echo "<br>";
echo "<br>";
$grade=array("First","Second","Third"); foreach($grade as $gra)

{
echo "Size is: $gra </br>";
}
echo "<hr>";

$arrname=array("Ganesh"=>"25","Darshan"=>"35","aditya"=>"15"); echo "<b>Associative
Array</b>";
echo "<br>";

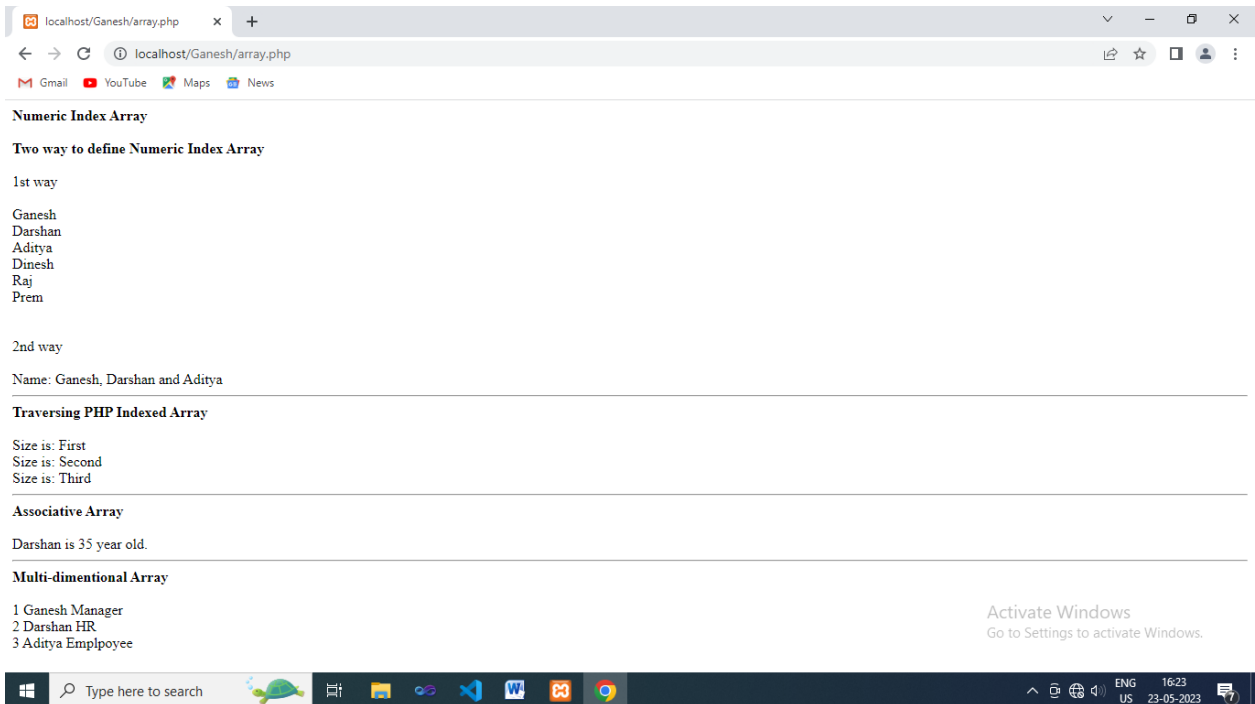
echo "<br>";
echo "Darshan is ". $arrname["Darshan"]. " year old."; echo "<hr>";

echo "<b>Multi-dimentional Array</b>"; echo "<br>";
echo "<br>";
$semp=array([1,"Ganesh","Manager"],[2,"Darshan","HR"],[3,"Aditya","Employee"]);
for($row=0;$row<3;$row++)
{
for($col=0;$col<3;$col++)
{
echo $semp[$row][$col]." ";
}
echo "<br>";
```



}  
?>

# OUTPUT:



localhost/Ganesh/array.php

localhost/Ganesh/array.php

Gmail YouTube Maps News

---

### Numeric Index Array

**Two way to define Numeric Index Array**

1st way

Ganesh  
Darshan  
Aditya  
Dinesh  
Raj  
Prem

2nd way

Name: Ganesh, Darshan and Aditya

---

### Traversing PHP Indexed Array

Size is: First  
Size is: Second  
Size is: Third

---

### Associative Array

Darshan is 35 year old.

---

### Multi-dimentional Array

1 Ganesh Manager  
2 Darshan HR  
3 Aditya Employee

Activate Windows  
Go to Settings to activate Windows.

Windows taskbar: Type here to search, File Explorer, Edge, Word, PowerPoint, Chrome, System tray (16:23, 23-05-2023, ENG US)

## Assignment No: - 06

**Assignment Name:** - Write a PHP program to demonstrate various functions of regular expression.

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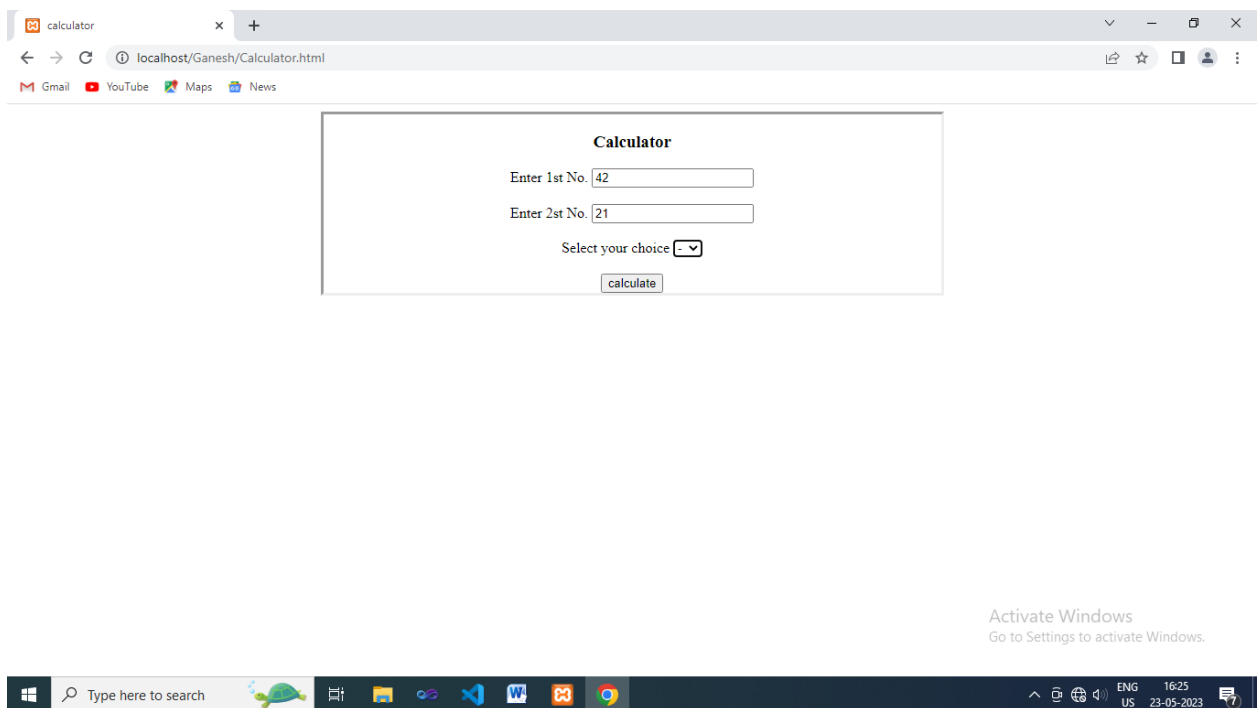
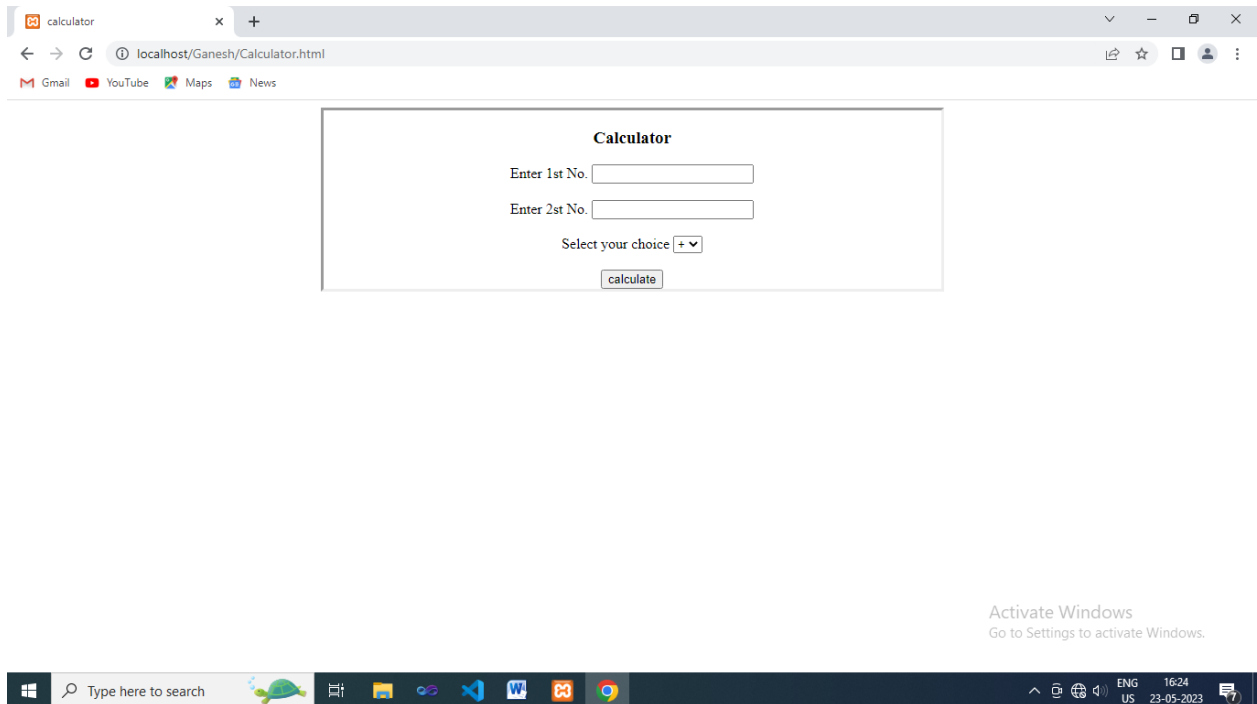
### HTML:

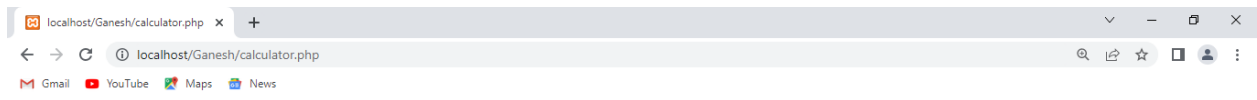
```
<!DOCTYPE html>
<html>
<head>
<title>calculator</title>
</head>
<body>
<center>
<div style="border: 3px inset; width: 50%;">
<form action="cal.php" method="POST">
<h3>Calculator</h3>
<label for="fno">Enter 1st No.</label>
<input type="text" name="fno" id="fno"/>
<br> </br>
<label for="sno">Enter 2st No.</label>
<input type="text" name="sno" id="sno"/>
<br> </br>
<label for="dl">Select your choice</label>
<select name="dl">
<option>+</option>
<option>-</option>
<option>*</option>
<option>/</option>
</select>
<br> </br>
<input type="submit" name="submit" value="calculate">
</form>
</div>
</center>
</body>
</html>
```

## PHP:

```
<?php if(isset($_POST['submit']))
{
$fno=$_POST['fno'];
$sno=$_POST['sno'];
$d1=$_POST['d1']; if($d1=="+")
{
$total=$fno+$sno;
echo"Addition of two number is: $total";
}
else if($d1=="-")
{
$total=$fno-$sno;
echo"Subtraction of two number is: $total";
}
else if($d1=="*")
{
$total=$fno*$sno;
echo"Multiplication of two number is: $total";
}
else if($d1=="/")
{
$total=$fno/$sno;
echo"Divison of two number is: $total";
}
else
{
echo"Invalid oprator";
}
}
?>
```

# OUTPUT:





Subtraction of two number is: 21

Activate Windows  
Go to Settings to activate Windows.



## Assignment No: - 07

**Assignment Name:** - Write a PHP program to find area of triangle and rectangle using functions.

**Class:** - BCA-II

**Roll No:** - 35

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```
<!DOCTYPE html>
<html>
  <body>
    <form method="post" >
      <h3>Area of Rectangle</h3>
      <label for="len">Enter Length of Rectangle</label>&nbsp;
      <input type="text" name="len" id="len"><br>
      <label for="wid">Enter Width of Rectangle</label>&nbsp;
      <input type="text" name="wid" id="wid"><br>
      <input type="submit" name="Rectangle" id="Calculate"><br>

      <h3>Area of Triangle</h3>
      <label for="base">Enter base of Triangle</label>&nbsp;
      <input type="text" name="base" id="base"><br>
      <label for="hig">Enter height of Triangle</label>&nbsp;
      <input type="text" name="hig" id="hig"><br>
      <input type="submit" name="Triangle" id="Calculate"><br>
      <br>
      <br>

    </form>

  <?php

    function Rect_area($length,$width)
    {
      return $length*$width;
    }

    function Tri_area($base,$height)
    {
      return 0.5*$base*$height;
    }

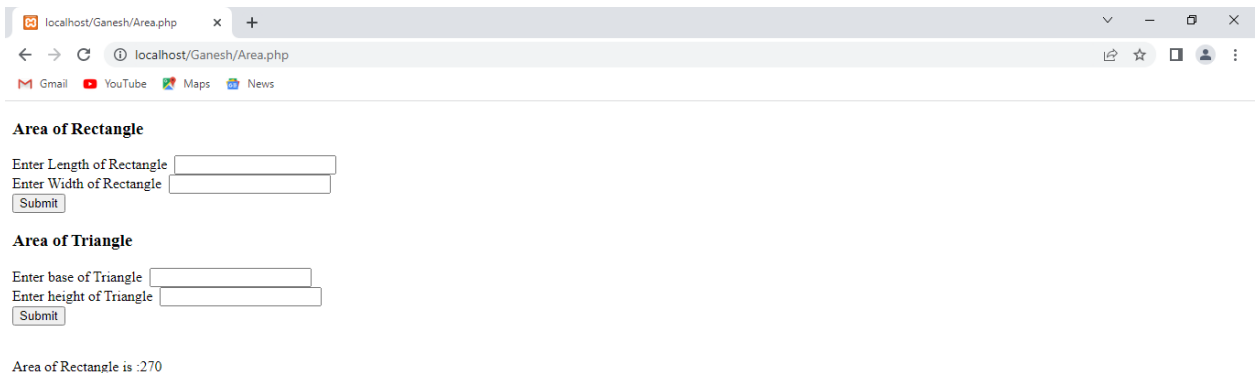
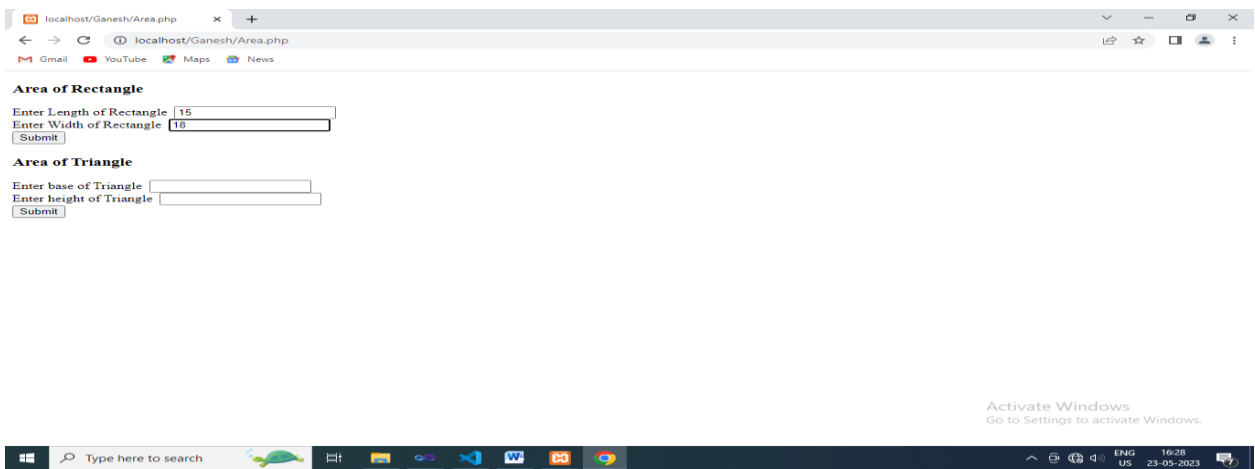
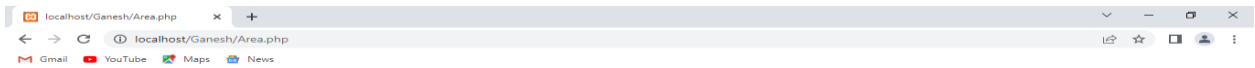
    if(isset($_POST['Rectangle']))
    {
      $len=$_POST['len'];
      $wid=$_POST['wid'];
      $area=Rect_area($len,$wid);
```

```
    echo "Area of Rectangle is :$area ";  
}
```

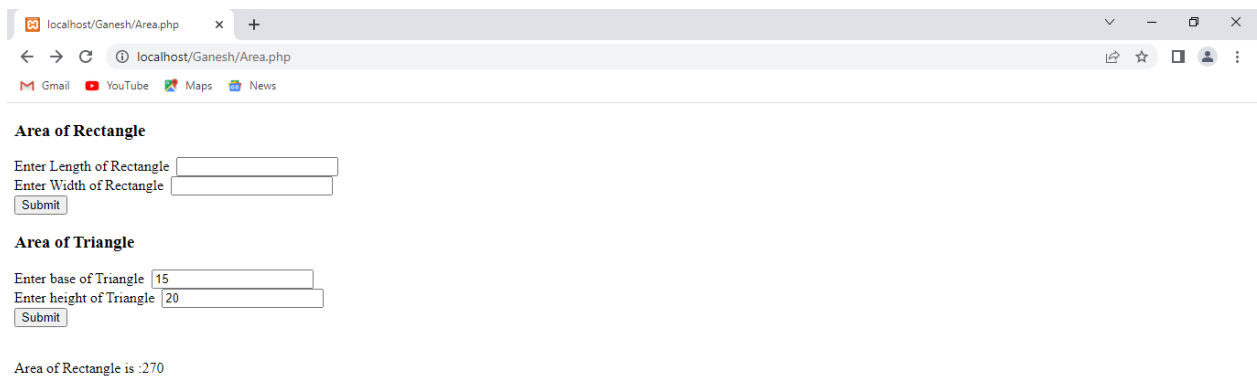
```
if(isset($_POST['Triangle']))  
{  
    $base=$_POST['base'];  
    $hig=$_POST['hig'];  
    $area=Tri_area($base,$hig);  
    echo "Area of Triangle is :$area ";  
}  
?>
```

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

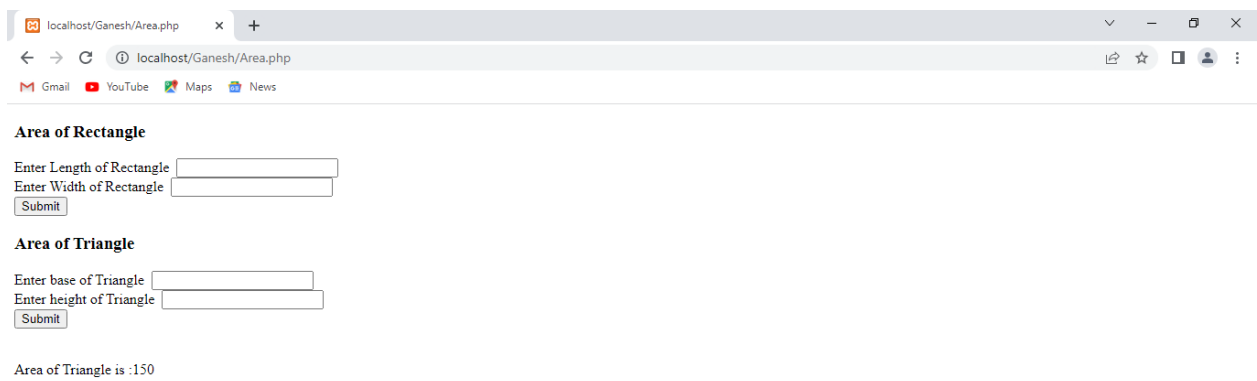
# OUTPUT:







Activate Windows  
Go to Settings to activate Windows.



Activate Windows  
Go to Settings to activate Windows.



