

Bharathidasan University
Centre for Differently Abled Persons
Tiruchirappalli - 620024

Programme Name	Bachelor of Computer Applications
Course Code	20UCA6CP8
Course Title	PHP Lab
Semester	VI
Unit	I
Compiled by	Dr.M.Prabavathy & Ms.M.Hemalatha

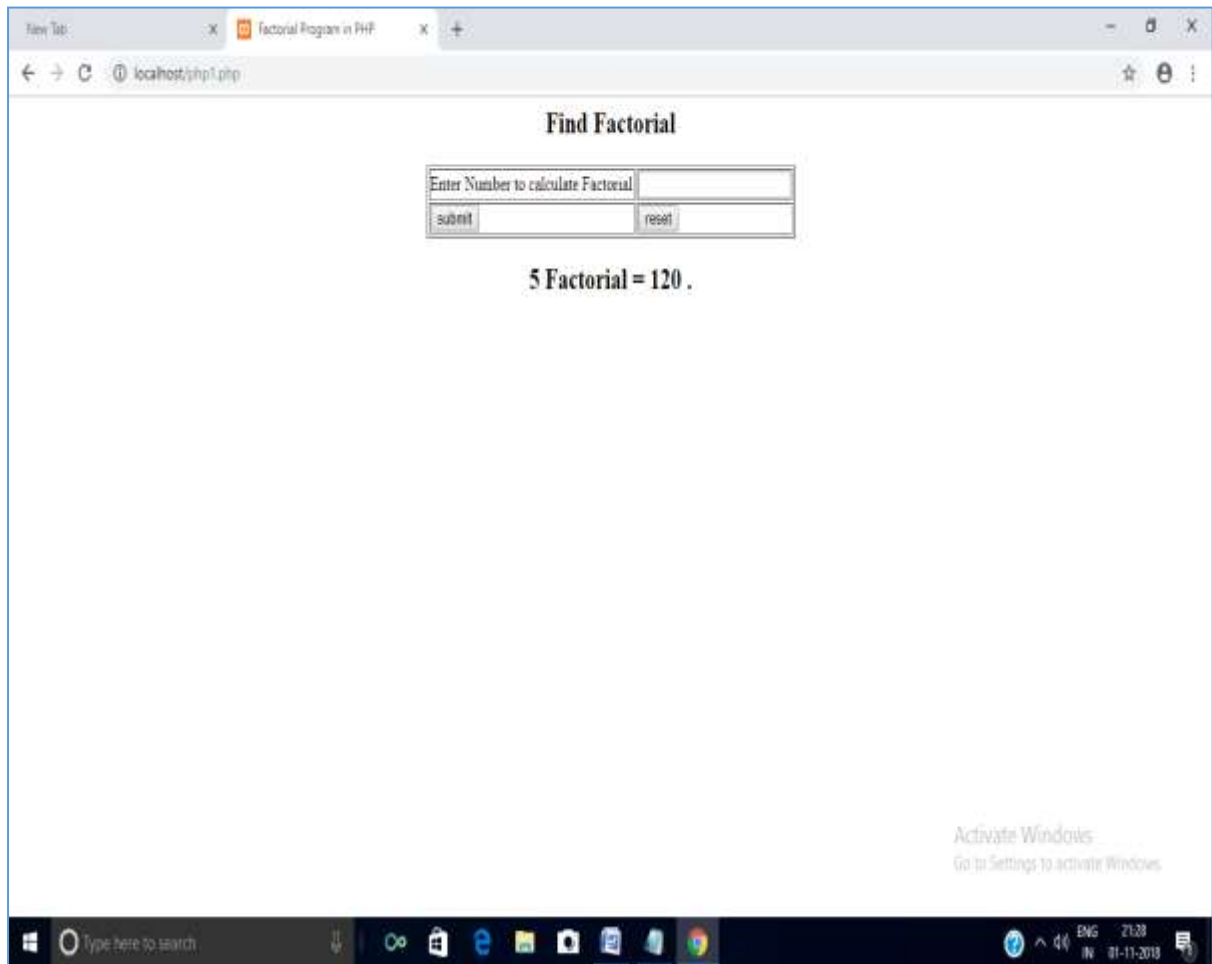
1. Program to find the factorial of a number

```
<html>
<body align="center">
<title>Factorial Program in PHP</title>
<form action="" method="post">
<h2> Find Factorial </h2>
<p align="center">
<table border=1>
<tr><td>Enter Number to calculate Factorial</td><td> <input type="text" name="number">
</td></tr>
<tr><td> <input type="submit" value="submit"></td><td><input type="reset"
value="reset"></td></tr>
</table>
</form>

<?php
    if($_POST)
    {
        $fact = 1;
        $number = $_POST['number'];
        for ($i = 1; $i <= $number; $i++)
        {
            $fact = $fact * $i;
        }
        print "<h2>$number Factorial = $fact .<h2><br>";
    }
?>

</body>
</html>
```

Output:



2. Program using Conditional Statement

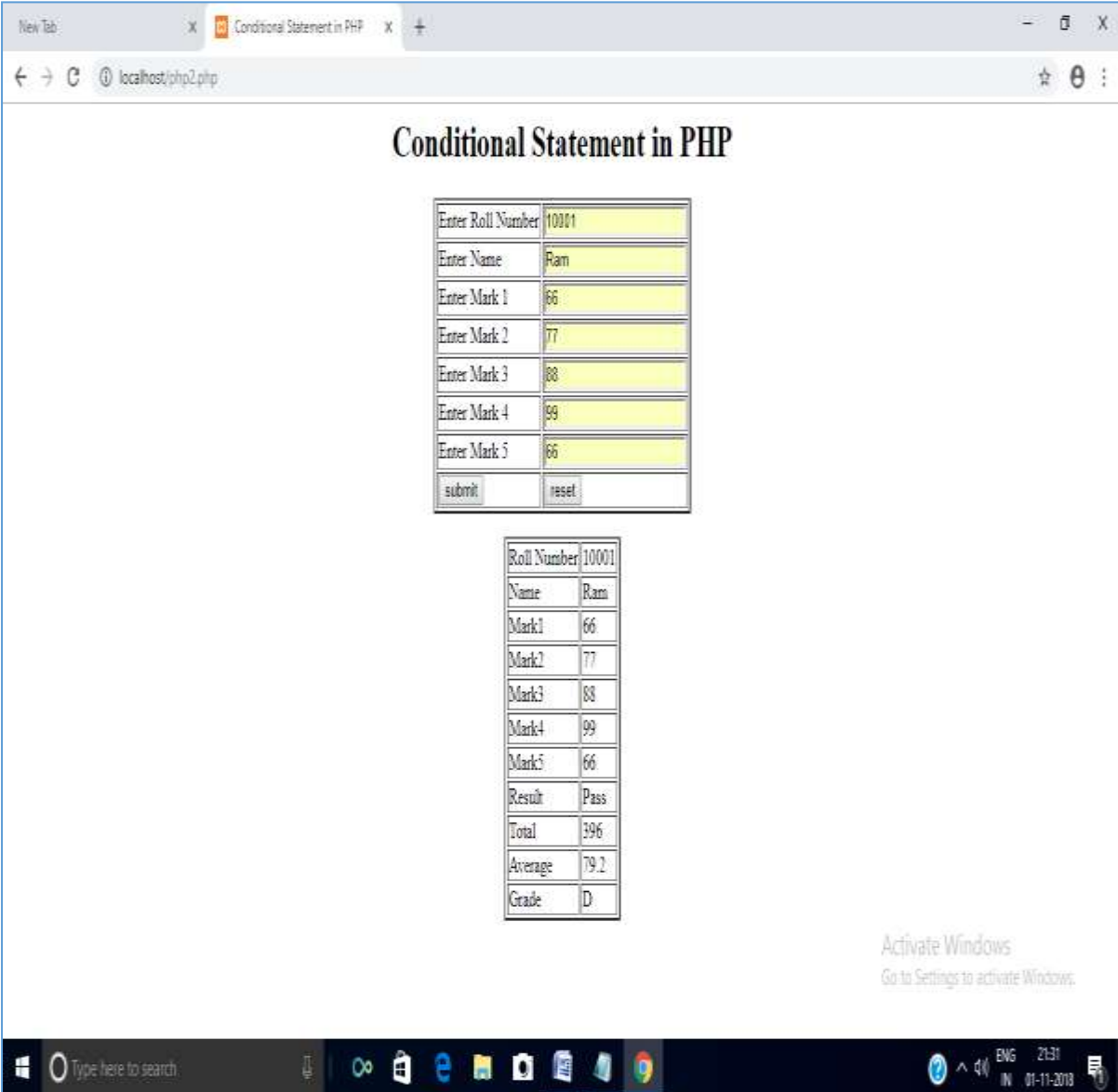
```

<html>
<body align = "center">
<title>Conditional Statement in PHP</title>
<form action="" method="post">
<h1> Conditional Statement in PHP </h1>
<p align = "center">
<table border=2>
<tr><td>Enter Roll Number </td> <td><input type="text" name="rno" > </td> </tr>
<tr><td>Enter Name</td> <td><input type="text" name="sname" > </td> </tr>
<tr><td>Enter Mark 1 </td> <td> <input type="text" name="m1" > </td> </tr>
<tr><td>Enter Mark 2 </td> <td> <input type="text" name="m2" > </td> </tr>
<tr><td>Enter Mark 3</td> <td> <input type="text" name="m3" > </td> </tr>
<tr><td>Enter Mark 4</td> <td> <input type="text" name="m4" > </td> </tr>
<tr><td>Enter Mark 5 </td> <td> <input type="text" name="m5" > </td> </tr>
<tr><td><input type="submit" value="submit"></td> <td> <input type="reset" value="reset">
</td> </tr>
</table>
</form>
</body>
</html>

<?php
    if($_POST)
    {
        $rno1 = $_POST['rno'];
        $sname = $_POST['sname'];
        $m1 = $_POST['m1'];
        $m2 = $_POST['m2'];
        $m3 = $_POST['m3'];
        $m4 = $_POST['m4'];
        $m5 = $_POST['m5'];
        if ( ( $m1 >=40) && ( $m2 >=40) && ( $m3 >=40) && ( $m4 >=40) && ( $m5 >=40) )
        {
            $res="Pass";
            $tot = $m1 + $m2 + $m3 + $m4 + $m5;
            $average = $tot/5.0;
            if ( $average >=75)
                $grade = "A";
            else if (( $average <=74) && ($average >= 60) )
                $grade = "B";
            else if (( $average <=59) && ($average >= 50) )
                $grade = "C";
            else
                $grade="D";
        }
    }

```

```
else
{
    $res="Fail";
}
echo "<p align =center>";
echo " <table border=2> ";
echo "<tr><td>Roll Number </td> <td> $rno1 </td> </tr> ";
echo "<tr><td>Name </td> <td> $sname </td> </tr> ";
echo "<tr><td>Mark1 </td> <td> $m1 </td> </tr> ";
echo "<tr><td>Mark2 </td> <td> $m2 </td> </tr> ";
echo "<tr><td>Mark3 </td> <td> $m3 </td> </tr> ";
echo "<tr><td>Mark4 </td> <td> $m4 </td> </tr> ";
echo "<tr><td>Mark5 </td> <td> $m5 </td> </tr> ";
if ($res == "Pass")
{
    echo "<tr><td>Result </td> <td> $res </td> </tr> ";
    echo "<tr><td>Total </td> <td> $tot </td> </tr> ";
    echo "<tr><td>Average </td> <td> $average </td> </tr> ";
    echo "<tr><td>Grade </td> <td> $grade </td> </tr> ";
}
else
{
    echo "<tr><td>Result </td> <td> $res </td> </tr> ";
}
}
echo " </table> ";
?>
```

Output:

The screenshot shows a web browser window with the title "Conditional Statement in PHP". The address bar shows "localhost/php2.php". The page content is as follows:

Conditional Statement in PHP

Enter Roll Number	10001
Enter Name	Ram
Enter Mark 1	66
Enter Mark 2	77
Enter Mark 3	88
Enter Mark 4	99
Enter Mark 5	66
submit	reset

Roll Number	10001
Name	Ram
Mark1	66
Mark2	77
Mark3	88
Mark4	99
Mark5	66
Result	Pass
Total	396
Average	79.2
Grade	D

Activate Windows
Go to Settings to activate Windows.

The Windows taskbar at the bottom shows the search bar, task view, and several application icons. The system tray on the right shows the language (ENG, IN), time (21:31), and date (01-11-2018).

3. Program to find the maximum value in a given multi-dimensional array

```
<html>
<body align="center">
<?php
    $a = array
    (
        array(121,212,189),
        array(515,150,153),
        array(525,531,242),
    );
    echo "<font size=6> Given Matrix <br><br> ";
    for($i=0;$i<3;$i++)
    {
        echo "<br>";
        for($j=0;$j<3;$j++)
        {
            echo  $a[$i][$j] . "      ";
        }
    }
    $max = $a[0][0];
    for ($i = 0; $i < 3; $i++)
    {
        for ($j = 0; $j < 3; $j++)
        {
            if ($max < $a[$i][$j])
                $max = $a[$i][$j];
        }
    }
    echo "<br><br><br><br>Max Value of Given Matrix : $max";
?>
</body>
</html>
```

Output:

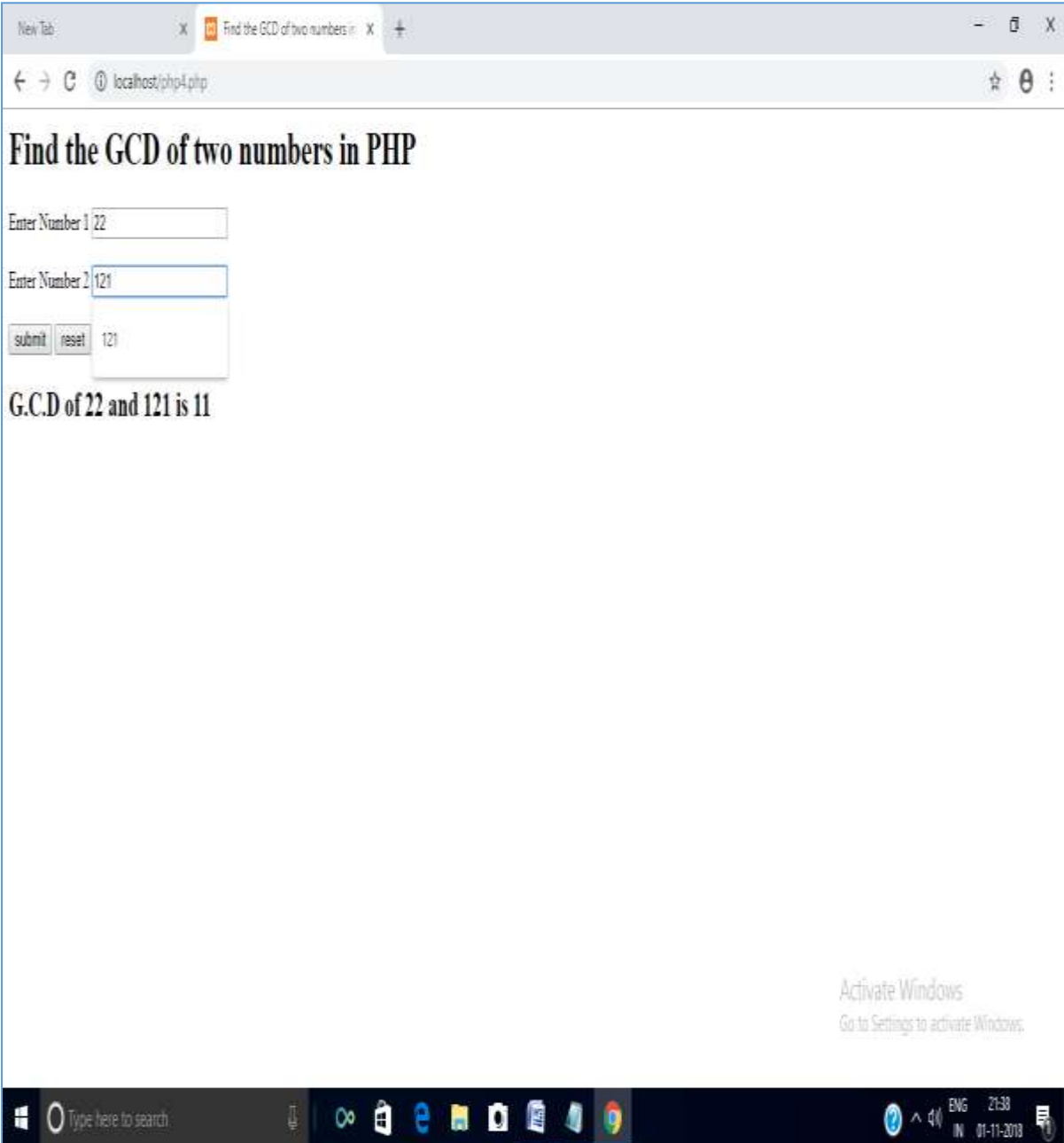


4. Program to find the GCD of two numbers using user-defined function

```
<html>
<body>
<title>Find the GCD of two numbers in PHP</title>
<form action="" method="post">
<h1> Find the GCD of two numbers in PHP </h1>
Enter Number 1   <input type="text" name="n1" > <br> <br>
Enter Number 2   <input type="text" name="n2" > <br><br>
<input type="submit" value="submit">
<input type="reset" value="reset">
</form>
</body>
</html>

<?php
    if($_POST)
    {
        $n1 = $_POST['n1'];
        $n2 = $_POST['n2'];
        $gcd = FindGcd($n1,$n2);
        echo "<h2>G.C.D of $n1 and $n2 is $gcd";
    }
    function FindGcd($n1,$n2)
    {
        for($i=1; ($i <= $n1) && ($i <= $n2); $i++)
        {
            if( ($n1%$i==0) && ($n2%$i) ==0)
                $gcd = $i;
        }
        return ($gcd);
    }

?>
```

Output:

The screenshot shows a web browser window with the following content:

- Address bar: localhost/php4.php
- Page Title: Find the GCD of two numbers in PHP
- Form fields:
 - Enter Number 1: 22
 - Enter Number 2: 121
- Buttons: submit, reset
- Output: G.C.D of 22 and 121 is 11

At the bottom of the browser window, there is a Windows taskbar with the search bar, taskbar icons, and system tray showing the date and time (01-11-2018, 21:38).

5. Design a simple web page to generate multiplication table for a given number

```
<html>
<body>
<title> Design a simple web page to generate multiplication table for a given number. </title>
<form action="" method="post">
<h1> Generate Multiplication table in PHP </h1>
Enter Number   <input type="text" name="n1" > <br> <br>
<input type="submit" value="submit">
<input type="reset" value="reset">
</form>
</body>
</html>

<?php
    if($_POST)
    {
        $n1 = $_POST['n1'];
        echo '<p align="center">';
        echo '<table border=1 width = "10%">';
        for($i=1; $i <= 16; $i++)
        {
            $mul = $i * $n1;
            echo "<tr><td> <font size=4>$i </td> <td><font size=4> *
            </td><td><font size=4> $n1</td><td><font size=4> =</td><td><font
            size=4> $mul</td></tr>" ;
        }
        echo "</table></font>";
    }
?>
```

Output:

The screenshot shows a web browser window with the address bar displaying `localhost/ohp5.php`. The page title is "Generate Multiplication table in PHP". Below the title, there is a text input field labeled "Enter Number" containing the value "12". To the left of the input field are two buttons: "submit" and "reset". The main content of the page is a multiplication table for the number 12, displayed in a grid format. The table contains 16 rows, each representing a multiplication from 1 to 16. The Windows taskbar is visible at the bottom, showing the search bar, taskbar icons, and system tray with the date "01-11-2018" and time "21:43".

Generate Multiplication table in PHP

Enter Number

1	*	12	=	12
2	*	12	=	24
3	*	12	=	36
4	*	12	=	48
5	*	12	=	60
6	*	12	=	72
7	*	12	=	84
8	*	12	=	96
9	*	12	=	108
10	*	12	=	120
11	*	12	=	132
12	*	12	=	144
13	*	12	=	156
14	*	12	=	168
15	*	12	=	180
16	*	12	=	192

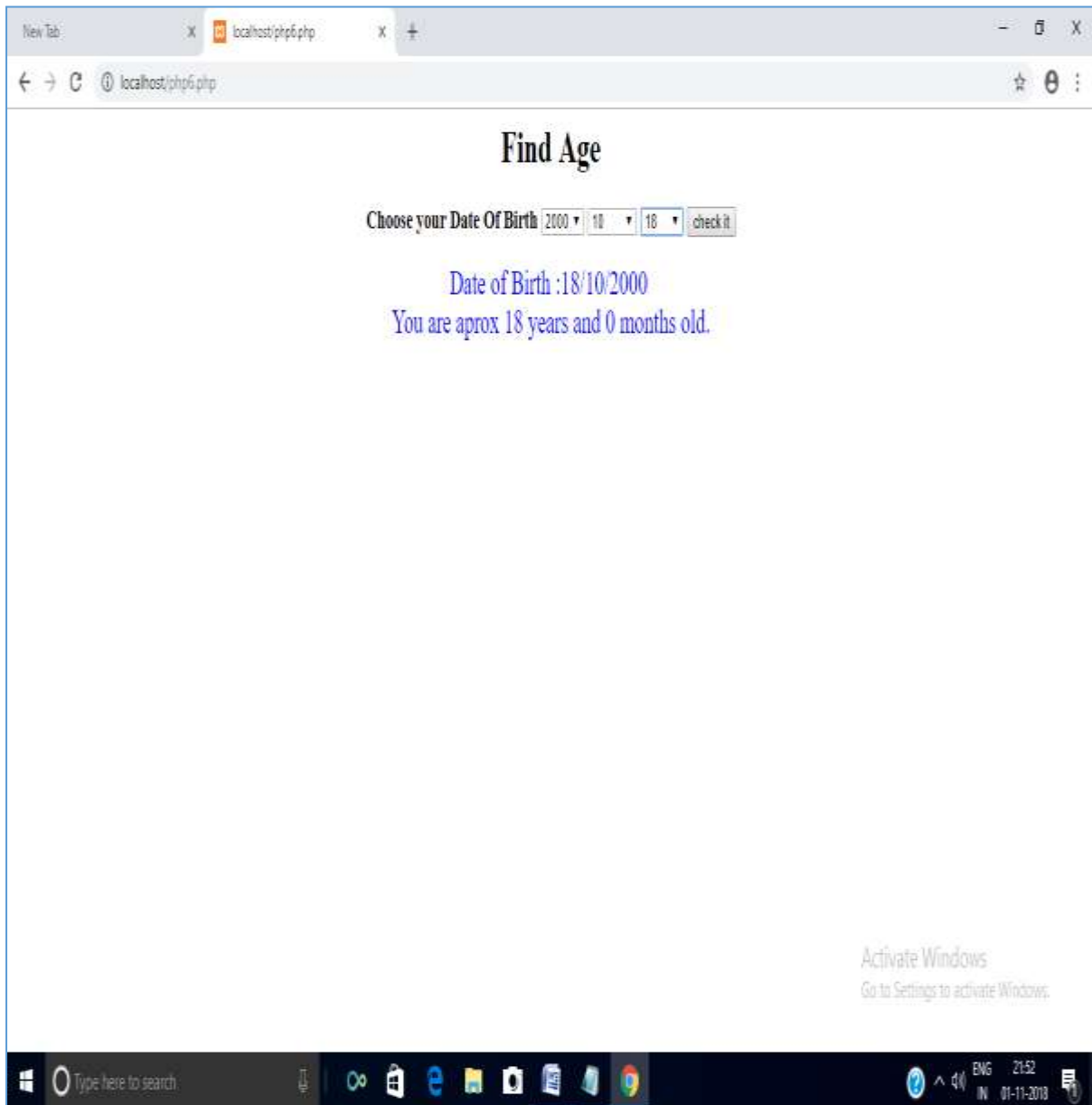
Activate Windows
Go to Settings to activate Windows.

6. Program to print the Fibonacci Series

```
<html>
<body bgcolor=pink>
<form method=post action=fibonacci.php>
Enter a number:<input type=text name=a>
<br><input type=submit value=show>
</form>
</body>
</html>
```

```
<?php
    $n=$_POST["a"];
    $a=0;
    $b=1;
    echo $a;
    echo"<br>".$b;
    for($i=1;$i<$n-2;$i++)
    {
        $c=$a+$b;
        echo"<br>".$c;
        $a=$b;
        $b=$c;
    }
?>
```

Output:

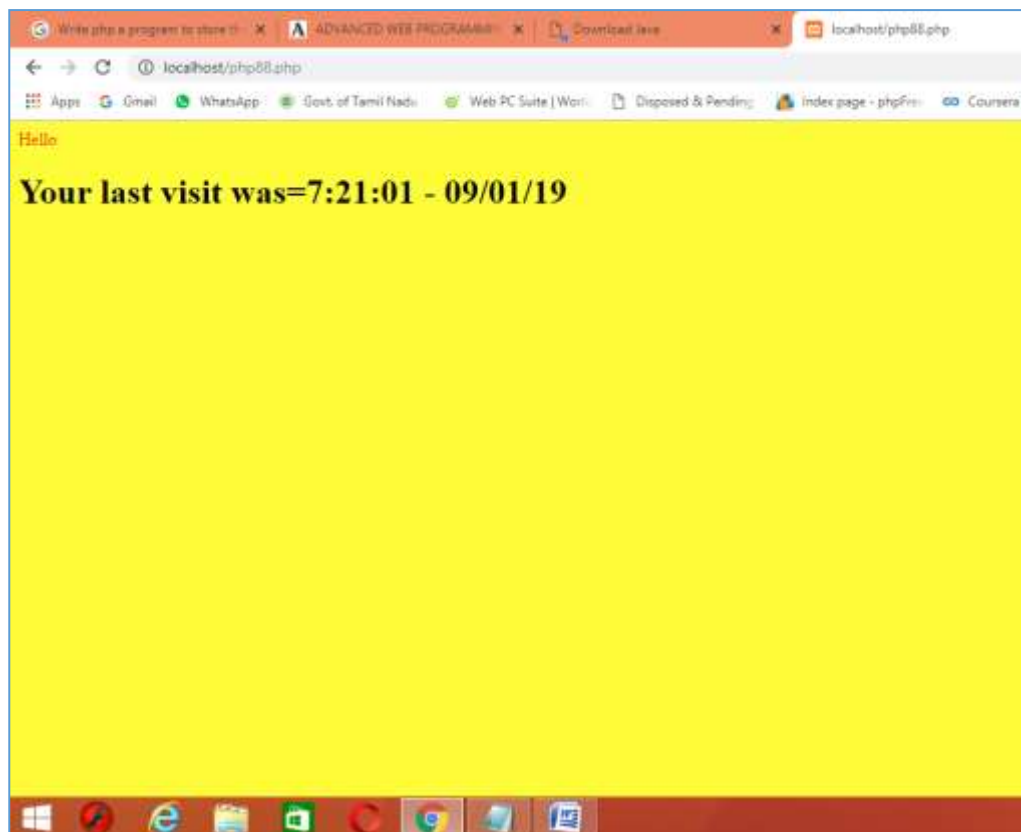


7. Program to find the Page Visitor details using Cookies

```
<?php
    $sec30=60*60*24*30+time();
    setcookie('lastVisit',date("g:i:s - d/m/y"),$sec30);
?>

<html>
<body bgcolor="yellow"> <p style="color:red">
Hello
<?php
    $visit =$_COOKIE['lastVisit'];
    If (isset($_COOKIE['lastVisit']))
        echo "<h1>Your last visit was=",$visit;
    else
        echo "<h1>You've got some stale cookies!";
?>
</p>
</body>
</html>
```

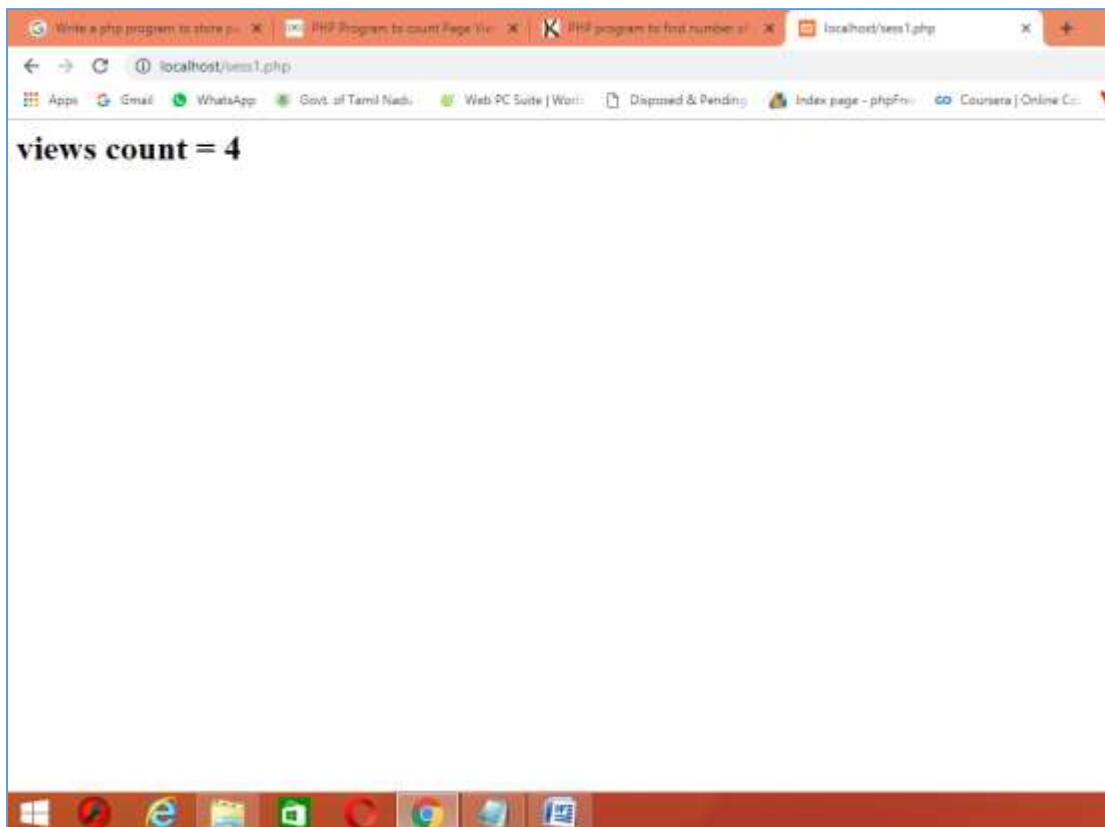
Output:



8. Program to store page views count in SESSION

```
<?php  
  
session_start();  
if (isset($_SESSION['views']))  
    $_SESSION['views'] = $_SESSION['views']+1;  
else  
    $_SESSION['views']=1;  
echo" <h1>views count = ".$_SESSION['views'];  
  
?>
```

Output:



9. Program to design a simple calculator

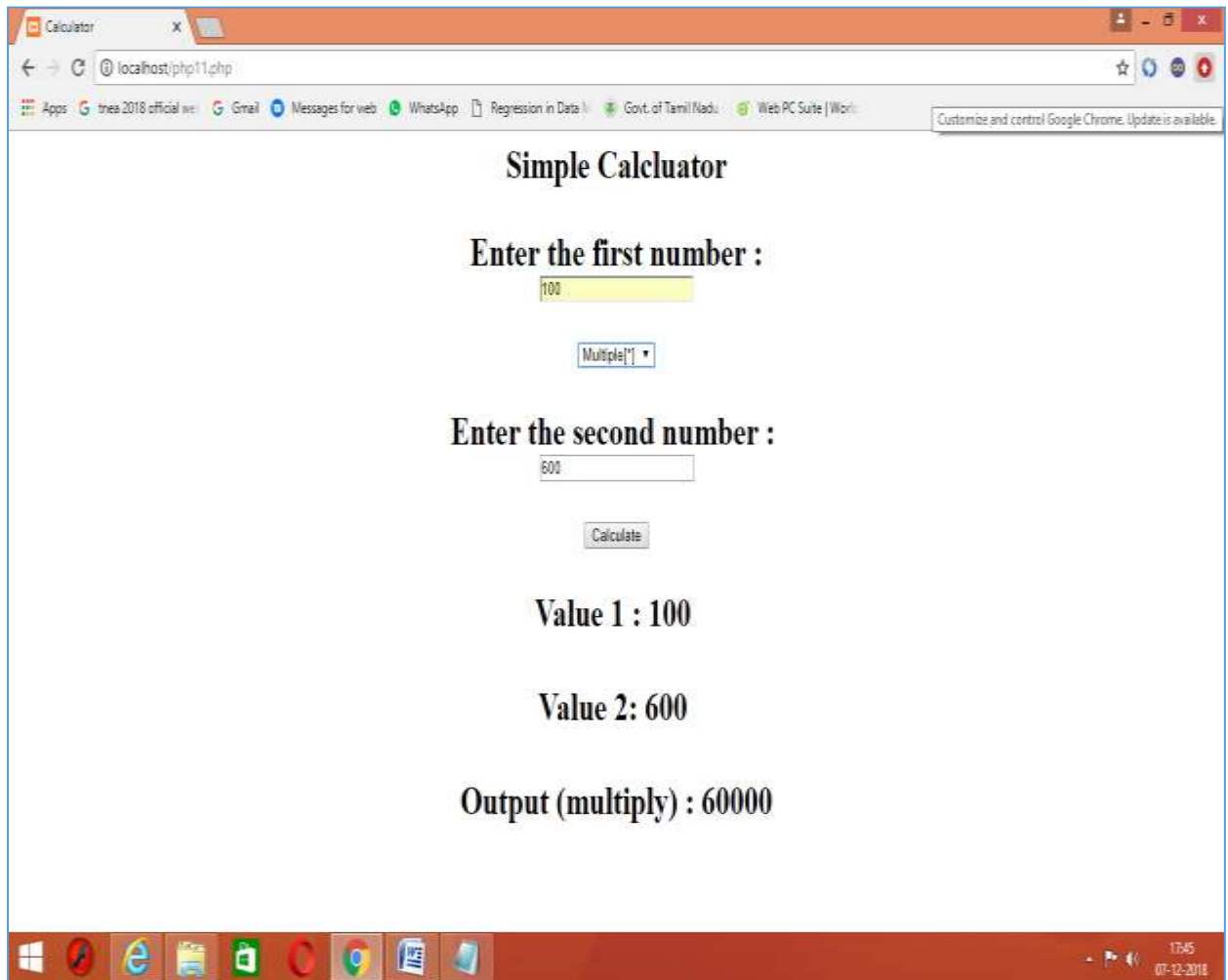
```

<html>
<head>
<title>Calculator</title>
</head>
<body>
<center>
<h1> Simple Calculuator
<form method="POST" >
<p align="center"><b>Enter the first number :</b><br/>
<input type="text" name="num1" size="20"><br>
</p>
<p align="center"><select name = "function">
<option name="calc" value = "add">Add [+]</option>
<option name="calc" value = "subtract">Subtract[-]</option>
<option name="calc" value = "multiply">Multiple[*]</option>
<option name="calc" value = "divide">Divide[/]</option>
</select></p>
<p align="center"><b>Enter the second number : </b><br/>
<input type="text" name="num2" size="20"></p>
<p align="center"><input type="submit" value="Calculate" name="calculate"></p>
</form>
</body>
</html>

<?php
    if($_POST)
    {
        $num1 = $_POST['num1'];
        $num2 =$_POST['num2'];
        $s =$_POST['function'];
        if ($s == "add")
            $result =$num1 + $num2;
        if ($s == "subtract")
            $result =$num1 - $num2;
        if ($s == "multiply")
            $result =$num1 * $num2;
        if ($s == "divide")
            $result =$num1 / $num2;
        echo "<h1> Value 1 : $num1 <br><br> Value 2: $num2 <br><br> Output ($s) :
        $result </h1>";
    }
?>

```

Output:



10. Design an authentication web page in PHP with MySQL

```

<html>
<body align = "center">
<title>Login Page</title>
<form action="" method="post">
<center>
<h2> To check User Name and Password </h2>
<table border=2>
<tr><td>User Name </td> <td><input type="text" name="uname" > </td> </tr>
<tr><td>Password</td> <td><input type="password" name="pwd" > </td> </tr>
<tr><td><input type="submit" value="submit"></td> <td>
<input type="reset" value="reset"> </td> </tr>
</table>
</form>
</body>
</html>

<?php
    if($_POST)
    {
        $uname = $_POST['uname'];
        $pwd = $_POST['pwd'];
        mysql_connect("localhost","root","") or die("Connection Error");
        mysql_select_db("udc") or die("Database Error");
        $s= "select * from stud where username = " . "".$uname." and password = " . "" . $pwd . "" ;
        $sel=mysql_query($s) or die("Table Error");
        $flag =0;
        while($ro=mysql_fetch_array($sel))
        {
            $flag=1;
            $sname= $ro['studname'];
        }
        if ($flag == 1)
        {
            echo "<h2>Welcome $sname ";
            echo "<h3> Congrats !! You have Successfully Logged in<h3>";
        }
        else
            echo " <h2>Error Username and password- Try again";
    }

?>

```

Output:

