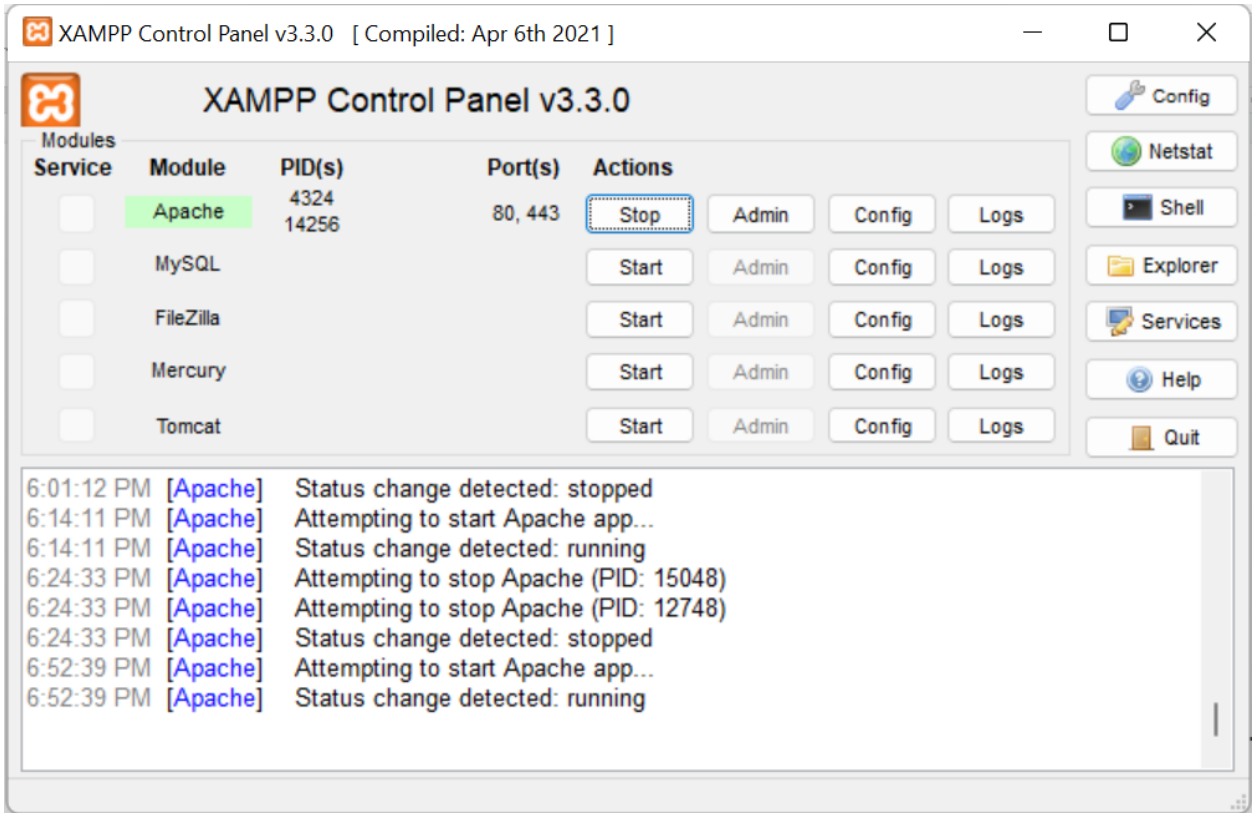
Name: O G Ragavi **Slot**: L31+32

Reg No: 20BCE1988 **Date: 21.09.2022**

Lab Ex: 8

Initial set-up:



Q1)

Code:

input.php

```
<?php
if(isset($_POST['submit']))
{
```

```
  $nos=$_POST['data'];
  $n=explode(",",$nos);
  $len=sizeOf($n);
  for($i=0;$i<$len;$i++)
  {
    for($j=$i+1;$j<$len;$j++)
    {
      if($n[$j]<$n[$i])
      {
        $temp=$n[$i];
        $n[$i]=$n[$j];
        $n[$j]=$temp;
       }
    }
  }
  echo("Sorted array is:\n");
  for($i=0;$i<$len;$i++)
  {
    echo($n[$i]." ");
  }
}
?>
```

lab8a.html

```
<html>
<head>
<title>Lab 8- a</title>
</head>
<body>
<form method="post" action="input.php">
<input type="text" name="data">
<input type="submit" name="submit" value="sort">
</form>
</body>
</html>
```

Output:

Q2)

Code:

lab8b.html

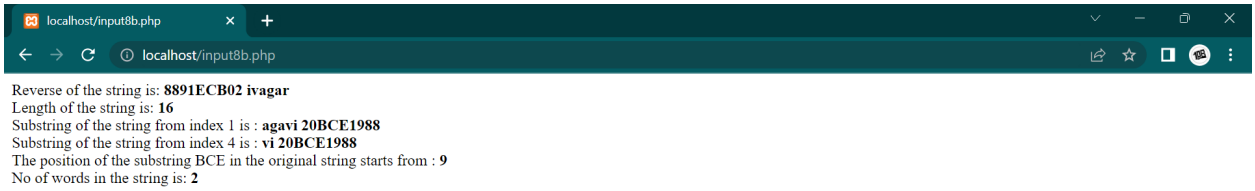
<html>
<head>

```
<title>Lab 8- b</title>
</head>
<body>
<form method="post" action="input8b.php">
<input type="text" name="data">
<input type="submit" name="submit" value="submit">
</form>
</body>
</html>
```

input8b.php

```
<?php
if(isset($_POST['submit']))
{
   $str=$_POST['data'];
   $rev=strrev($str);
   echo("Reverse of the string is:    <b>$rev</b>")."<br>";
  $len=strlen($str);
  echo("Length of the string is:   <b>$len</b>")."<br>";
  $sub=substr($str,1);
  $sub1=substr($str,4);
  echo("Substring of the string from index 1 is :   <b>$sub</b>")."<br>";
  echo("Substring of the string from index 4 is :  <b>$sub1</b>")."<br>";
   $pos=strpos($str,"BCE");
   echo("The position of the substring BCE in the original string starts from :
<b>$pos</b>")."<br>";
   $n=explode(" ",$str);
   $len=sizeOf($n);
   echo("No of words in the string is:   <b>$len</b>")."<br>";
}

?>
```

Output:



Q3)

Code:

lab8c.html:

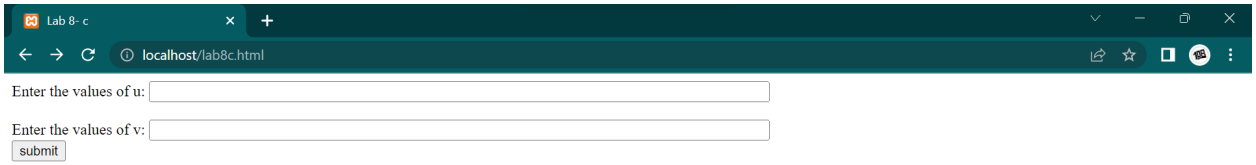
```
<html>
<head>
<title>Lab 8- c</title>
```

```
</head>
<body>
<form method="post" action="input8c.php">
<label for="u">Enter the values of u: </label>
<input type="text" name="u" size="90px">
<br><br>
<label for="u">Enter the values of v: </label>
<input type="text" name="t"  size="90px">
<br>
<input type="submit" name="submit" value="submit">
</form>
</body>
</html>
```

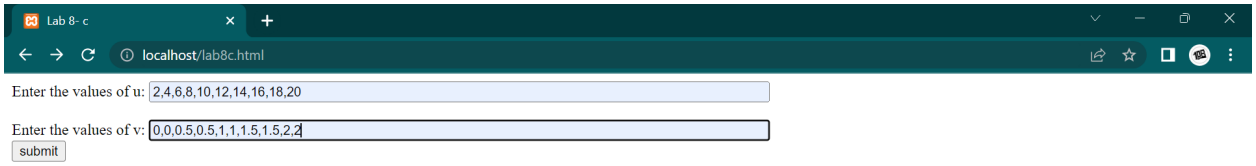
input8c.php:

```
<?php
if(isset($_POST['submit']))
{
  $nos1=$_POST['u'];
  $nos2=$_POST['t'];
  $n1=explode(",",$nos1);
  $n2=explode(",",$nos2);
  $len1=sizeOf($n1);
  for($i=0;$i<$len1;$i++)
  {
     $s[$i]=$n1[$i]*$n2[$i]+0.5*9.8*$n2[$i]*$n2[$i];
  }
  echo("The corresponding distance is: ")."<br>";
  for($i=0;$i<$len1;$i++)
  {
    echo("For u=$n1[$i] and t=$n2[$i] ; s=$s[$i]")."<br>";
  }
}
?>
```

Output:


Lab 8- c
localhost/lab8c.html
Enter the values of u:
Enter the values of v:
submit

4:49 PM
9/21/2022


Lab 8- c
localhost/lab8c.html
Enter the values of u: 2,4,6,8,10,12,14,16,18,20
Enter the values of v: 0,0,0.5,0.5,1,1,1.5,1.5,2,2
submit

4:49 PM
9/21/2022

The corresponding distance is:
For u=2 and t=0 ; s=0
For u=4 and t=0 ; s=0
For u=6 and t=0.5 ; s=4.225
For u=8 and t=0.5 ; s=5.225
For u=10 and t=1 ; s=14.9
For u=12 and t=1 ; s=16.9
For u=14 and t=1.5 ; s=32.025
For u=16 and t=1.5 ; s=35.025
For u=18 and t=2 ; s=55.6
For u=20 and t=2 ; s=59.6

Q4)

Code:

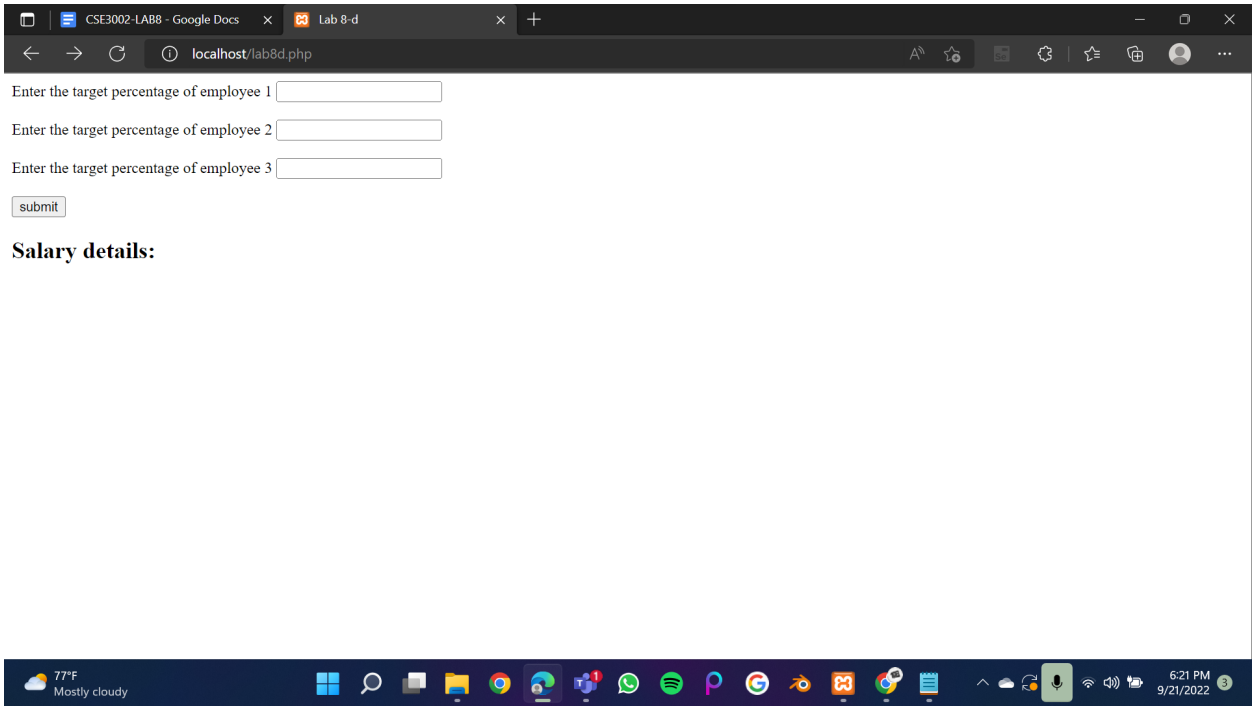
Lab8d.php:

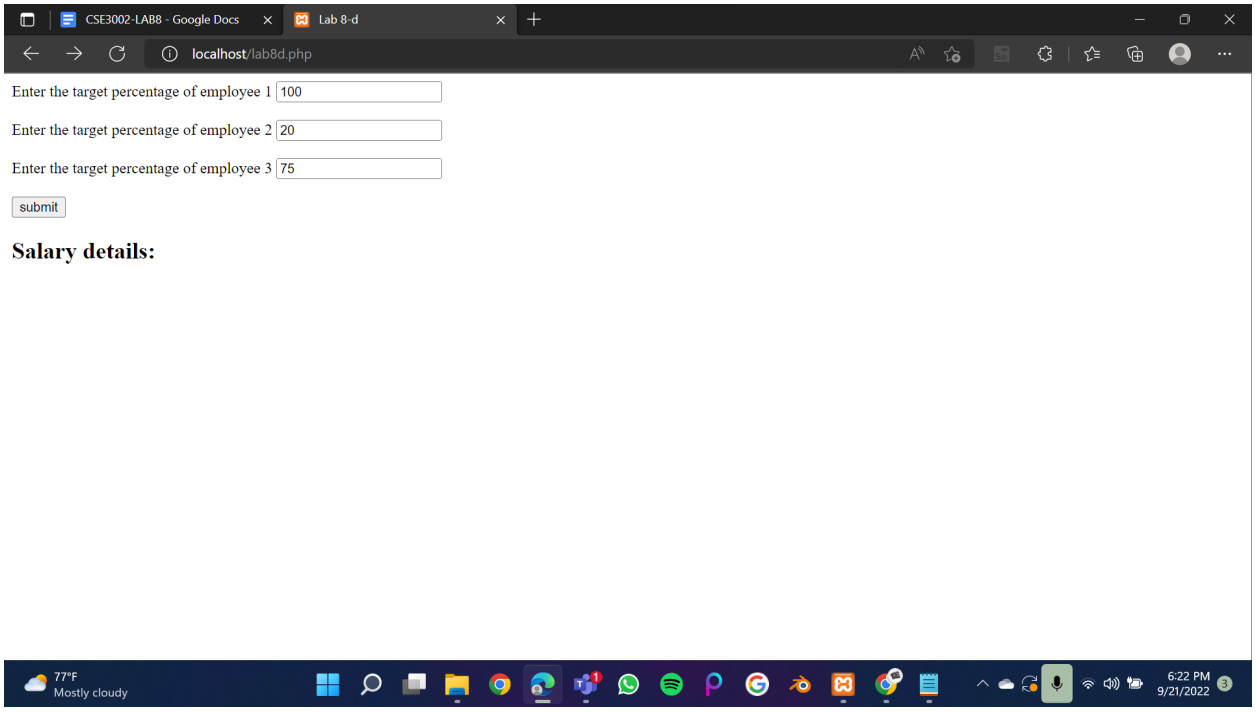
```
<html>
<head>
    <title>Lab 8-d</title>
<head>
<body>

<?php
$out1=$out2=$out3="";
if ($_SERVER["REQUEST_METHOD"] == "POST") {

  $out1 = test_input($_POST["emp1"]);
  $out2 = test_input($_POST["emp2"]);
  $out3 = test_input($_POST["emp3"]);
}
function test_input($data) {

  $tot=10000;
  if($data==100)
  {
       $tot=2*$tot;
```

```
  }
  elseif($data>=75 && $data<100)
  {
      $tot=$tot+0.5*$tot;
   }
  else
  {
      $tot=$tot+0.1*$tot;
   }
  return $tot;
}
?>
```

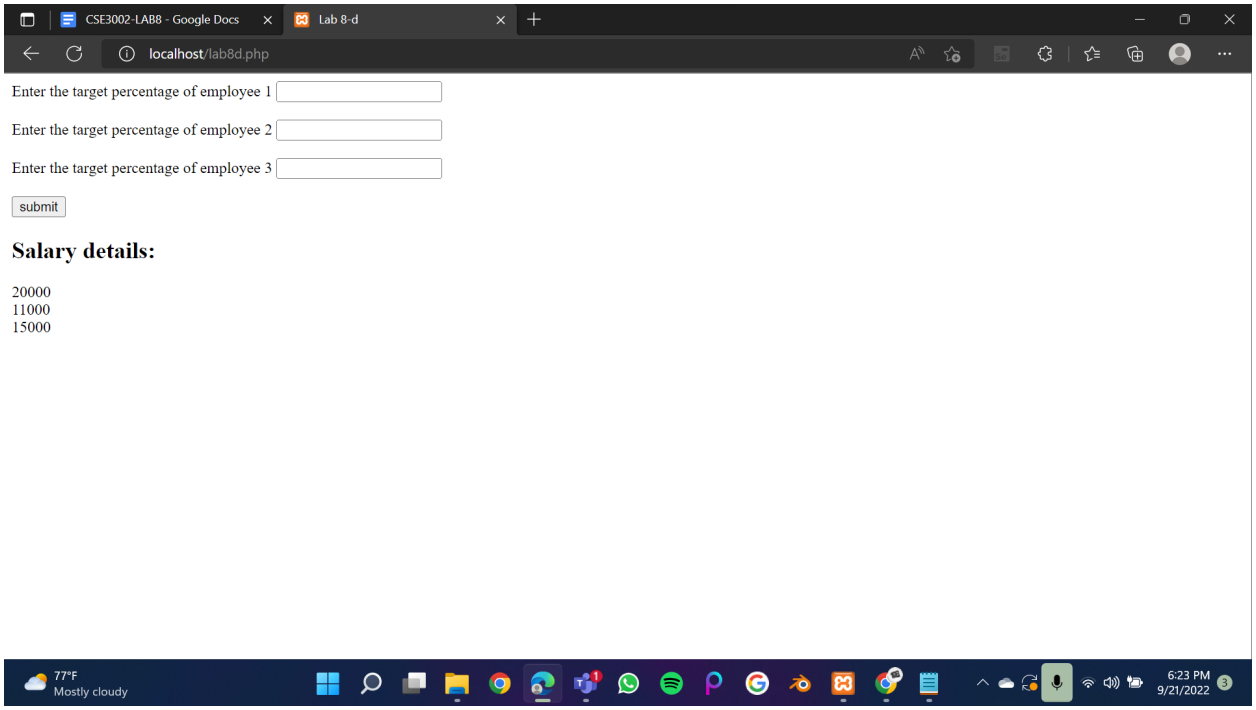
```
<form method="post" action="<?php echo
htmlspecialchars($_SERVER["PHP_SELF"]);?>">
<label for="emp1">Enter the target percentage of employee 1</label>
<input type="text" name="emp1" ><br><br>
<label for="emp2">Enter the target percentage of employee 2</label>
<input type="text" name="emp2" ><br><br>
<label for="emp3">Enter the target percentage of employee 3</label>
<input type="text" name="emp3" ><br><br>
<input type="submit" name="submit" value="submit">
</form>

<?php
        echo "<h2>Salary details:</h2>";
        echo $out1;
        echo "<br>";
        echo $out2;
        echo "<br>";
        echo $out3;

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

Output:





After submitting:



Q5)

Code:

lab8d.html:

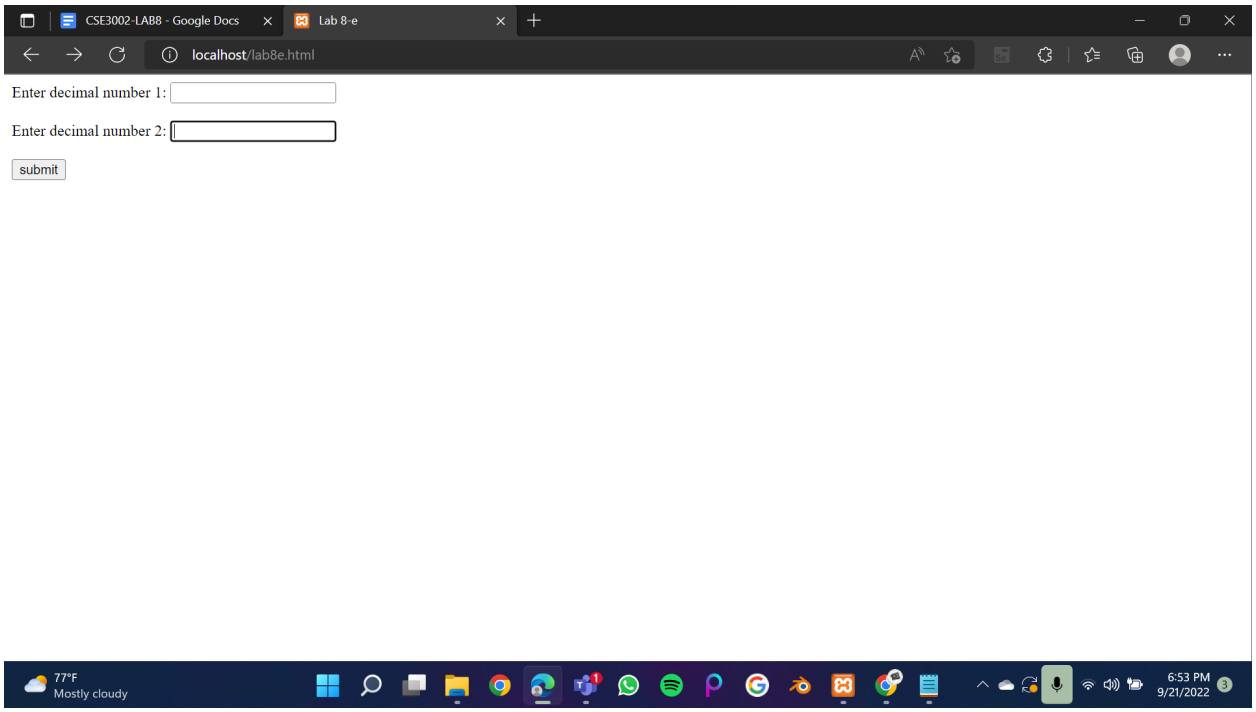
```
<html>
<head>
    <title>Lab 8-e</title>
</head>
<body>
<form method="post" action="input8e.php">
<label for="data1">Enter decimal number 1: </label>
<input type="text" name="data1">
<br><br>
<label for="data2">Enter decimal number 2: </label>
<input type="text" name="data2">
<br><br>
<input type="submit" name="submit" value="submit">
</form>
</body>
</html>
```

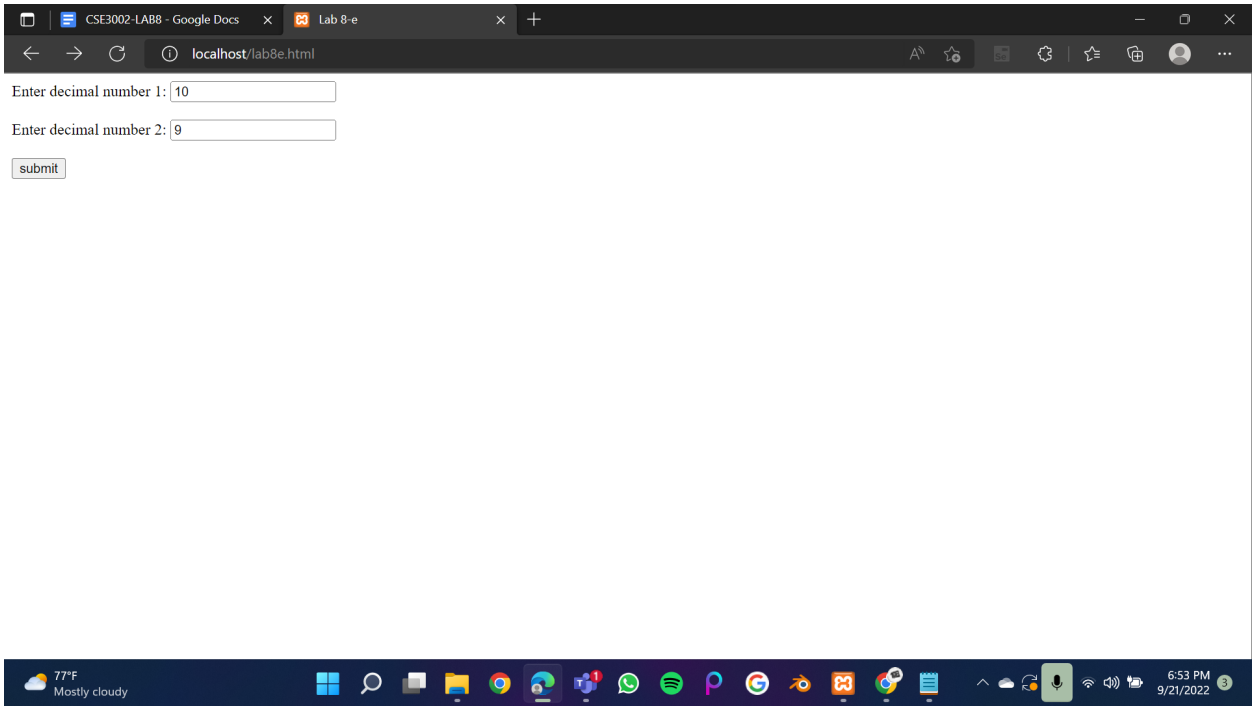
input8e.php:

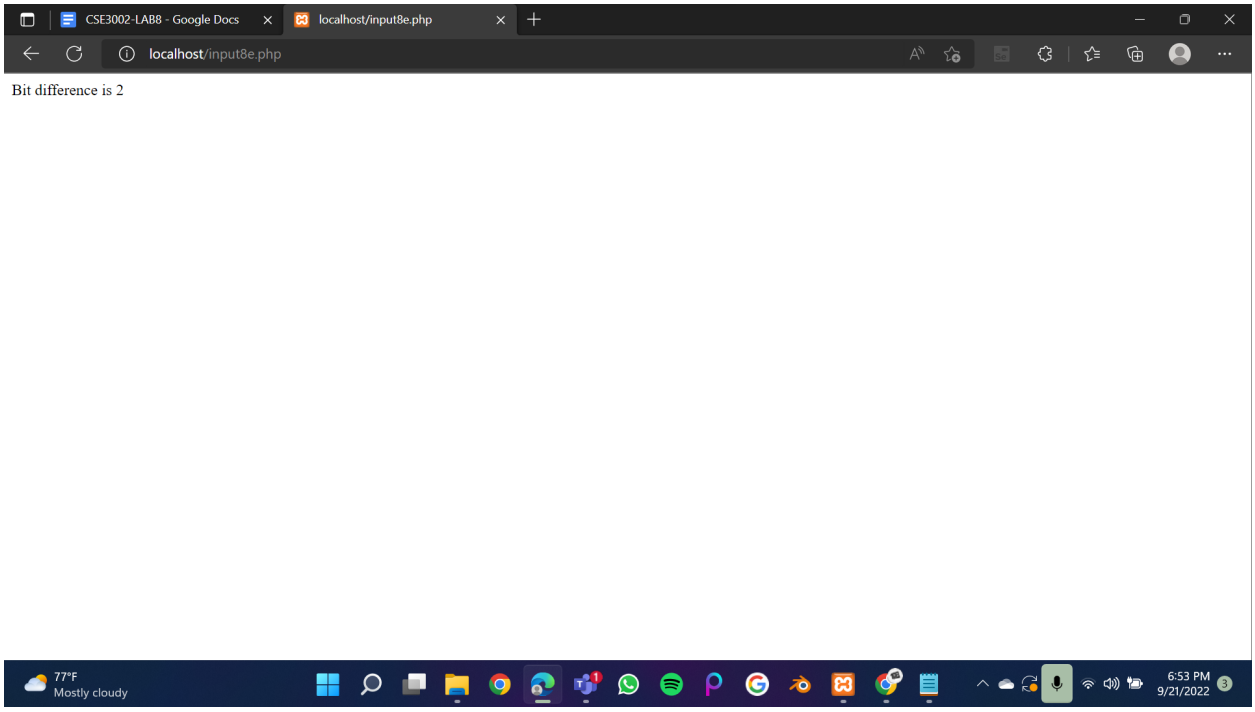
```
<?php
if(isset($_POST['submit']))
```

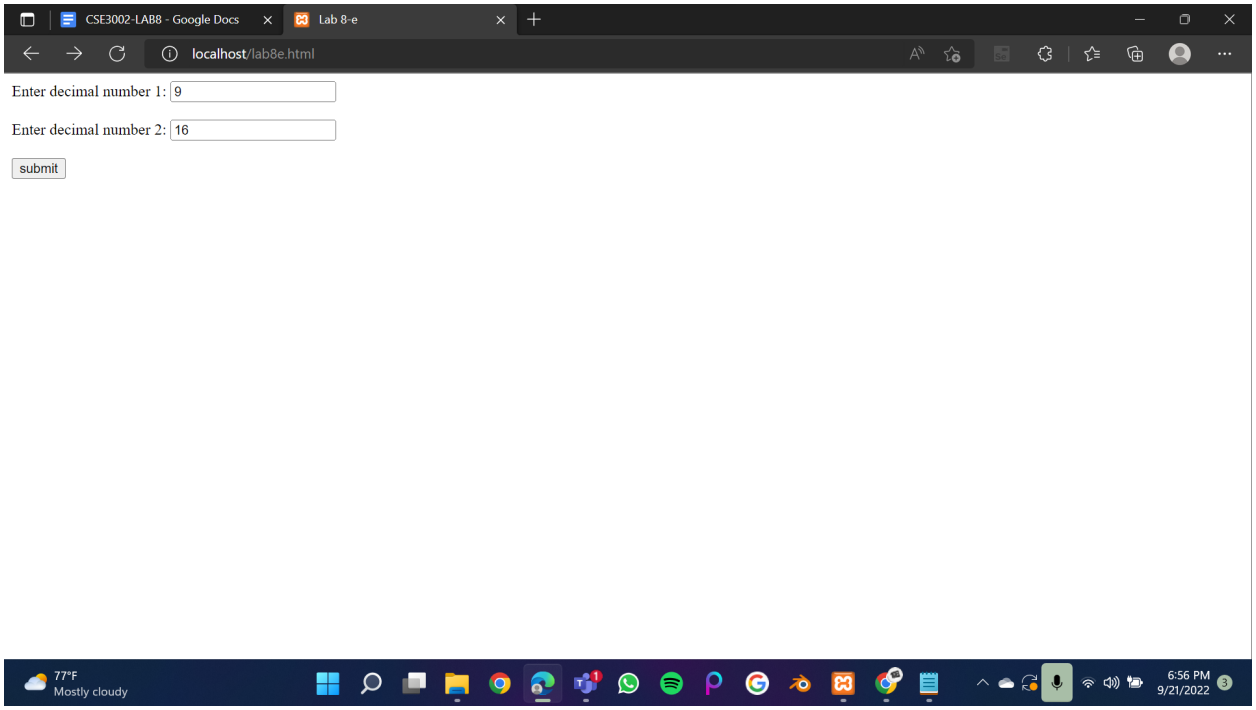
```
{
  $str1=$_POST['data1'];
  $str2=$_POST['data2'];
  $bin1=decbin($str1);
  $bin2=decbin($str2);
  $res1=sprintf("%08s",$bin1);
  $res2=sprintf("%08s",$bin2);
  $count=0;
  for($i=0;$i<8;$i++)
  {
     if($res1[$i]!=$res2[$i])
     {
        $count=$count+1;
     }
   }
   echo("Bit difference is $count");
}

?>
```

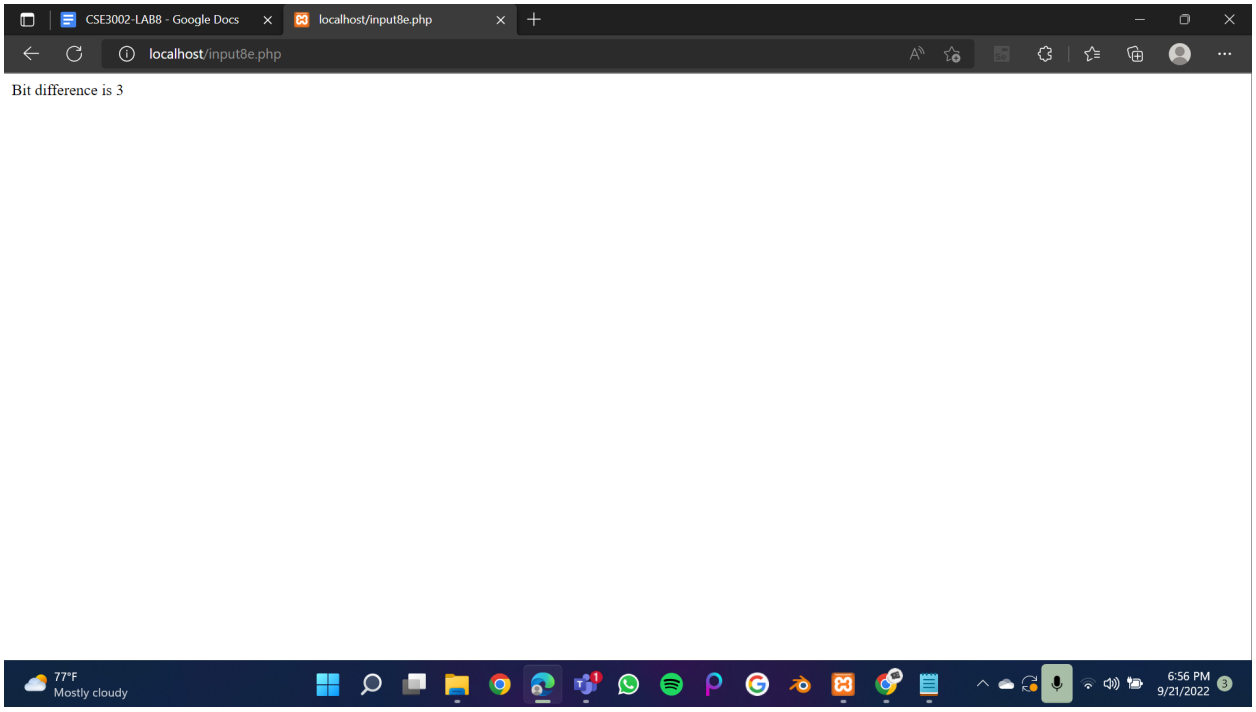
Output:




CSE3002-LAB8 - Google Docs
Lab 8-e
localhost/lab8e.html
Enter decimal number 1: 10
Enter decimal number 2: 9
submit
77°F
Mostly cloudy
6:53 PM
9/21/2022


CSE3002-LAB8 - Google Docs
localhost/input8e.php
localhost/input8e.php
Bit difference is 2
77°F
Mostly cloudy
6:53 PM
9/21/2022


CSE3002-LAB8 - Google Docs
Lab 8-e
localhost/lab8e.html
Enter decimal number 1: 9
Enter decimal number 2: 16
submit
77°F
Mostly cloudy
6:56 PM
9/21/2022


CSE3002-LAB8 - Google Docs
localhost/input8e.php
localhost/input8e.php
Bit difference is 3
77°F
Mostly cloudy
6:56 PM
9/21/2022