Objective : Windows System, XAMPP Software, Crome Browser

Theory : PHP Variables

Creating (Declaring) PHP Variables

In PHP, a variable starts with the $ sign, followed by the name of the variable:

Example: <?php

$txt = "Name";

$x = 888;

$y = 68.33;

?>

A variable can have a short name (like x and y) or a more descriptive name (age, carname, total_volume).

PHP Data Types : Variables can store data of different types, and different data types can do different things.

PHP supports the following data types:

String , Integer , Float , Boolean , Array , Object , NULL , Resource

PHP Loops : Loops are used to execute the same block of code again and again, as long as a certain condition is true

In PHP, we have the following loop types:

while ,do...while ,for , foreach

-Program-

```
<html>
  <body>
    <form action="" method="post">
      <center>
        <table border=0
            <h1>REPORT<h1>
```

```html
<tr>
  <td>
    Student Name
  </td>
  <td>
    <input type=text name="t1">
  </td>
</tr>
<tr>
  <td>
     Commerce & M-Commerce Marks
  </td>
  <td>
    <input type=text name="t2">
  </td>
</tr>
<tr>
  <td>
    Cloud Computing Marks
  </td>
  <td>
    <input type=text name="t3">
  </td>
</tr>
<tr>
  <td>
    Android Application Devlopment Marks
  </td>
  <td>
    <input type=text name="t4">
  </td>
</tr>
<tr>
  <td>
```
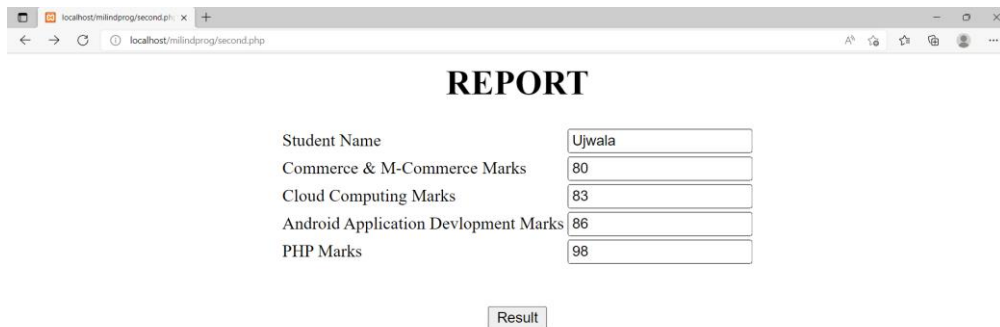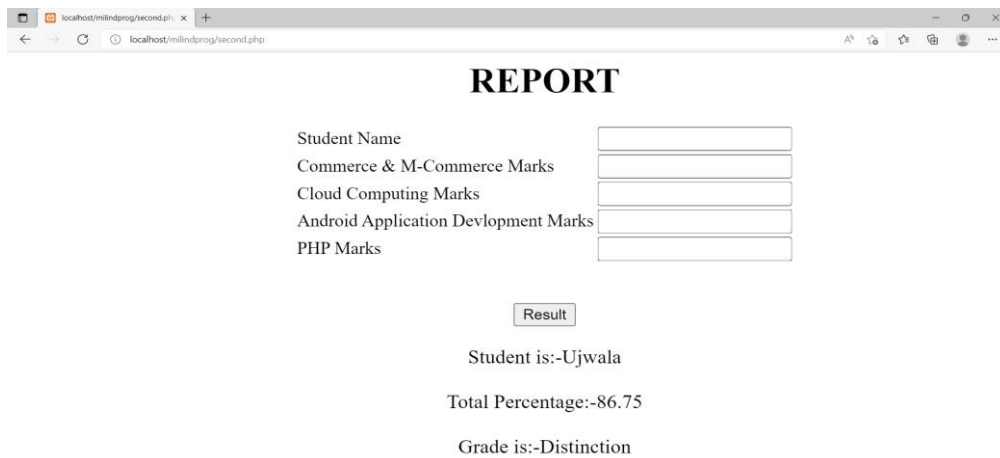
```
                    PHP Marks
                </td>
            <td>
            <input type=text name="t5">
            </td>
            </tr>
        </table>
        <br>
        <br>
        <input type=submit name="r" value="Result">
    </center>
    <?php
if(isset($_POST['r']))////checking whether the input element is set or not
{
    $a=$_POST['t1']; //accessing value from 1st text box
    $a1=$_POST['t2']; //accessing value from 2nd text field
    $a2=$_POST['t3']; //accessing value from 3rd text field
    $a3=$_POST['t4']; //accessing value from 4th text field
    $a4=$_POST['t5']; //accessing value from 5th text field
    $sum=$a1+$a2+$a3+$a4; //total marks
    $avg=$sum/4;
    if($avg>=0&&$avg<=40)
        $grade="Fail";
    if($avg>40&&$avg<=59)
        $grade="Pass";
    if($avg>60&&$avg<=69)
        $grade="First class";
    if($avg>70&&$avg<=90)
        $grade="Distinction";
    if($avg>90)
        $grade="Topper";
    echo "<br>";
    echo "<font size=4><center>Student is:-".$a."</center><br>";
    echo "<font size=4><center>Total Percentage:-".$avg."</center><br>";
```

```php
        echo "<font size=4><center>Grade is:-".$grade."</center>";
    }
        ?>
    </form>
    </body>
</html>
```

-OUTPUT-