

**Name: Gaurav Kumar Singh**

**Registration number: 19BCE2119**

**Course: IWP CSE3002 (L23+L24)**

### **Digital Assignment 4**

Write an HTML and PHP code to get the students details like Name, Reg No, Course, Course Code, Marks for 5 Subjects (CAT1, CAT2, DA1, DA2 and QUIZ)

Verify if the CAT marks are greater than 30 and less than zero, show an alert message "Invalid Marks".

If anyone of the subject mark is less than 15. Display the message via browser as "Slow Learner and Do the Extra Assignment work".

Calculate the Internal Marks by converting CAT 1 & 2 Marks to 15 each and Add DA1, DA2, and QUIZ marks.

Display the details in the table format including average marks.

Sort and display the student details based on the Internal Mark.

Calculate the CGPA and Display the details.

Style the webpage using CSS and align the text in the center using margin. Use Different font types.

## **CODE**

```
<?php
if(isset($_GET["submit"]))
{
    $name = $_GET["name"];
    $regno = $_GET["regno"];
    $branch = $_GET["branch"];

    $course_1 = $_GET["course_1"];
    $course_code_1 = $_GET["course_code_1"];
    $cat1_1 = $_GET["cat1_1"];
    $cat2_1 = $_GET["cat2_1"];
    $da1_1 = $_GET["da1_1"];
    $da2_1 = $_GET["da2_1"];
```

```
$quiz_1 = $_GET["quiz_1"];
```

```
$course_2 = $_GET["course_2"];
```

```
$course_code_2 = $_GET["course_code_2"];
```

```
$cat1_2 = $_GET["cat1_2"];
```

```
$cat2_2 = $_GET["cat2_2"];
```

```
$da1_2 = $_GET["da1_2"];
```

```
$da2_2 = $_GET["da2_2"];
```

```
$quiz_2 = $_GET["quiz_2"];
```

```
$course_3 = $_GET["course_3"];
```

```
$course_code_3 = $_GET["course_code_3"];
```

```
$cat1_3 = $_GET["cat1_3"];
```

```
$cat2_3 = $_GET["cat2_3"];
```

```
$da1_3 = $_GET["da1_3"];
```

```
$da2_3 = $_GET["da2_3"];
```

```
$quiz_3 = $_GET["quiz_3"];
```

```
$course_4 = $_GET["course_4"];
```

```
$course_code_4 = $_GET["course_code_4"];
```

```
$cat1_4 = $_GET["cat1_4"];
```

```
$cat2_4 = $_GET["cat2_4"];
```

```
$da1_4 = $_GET["da1_4"];
```

```
$da2_4 = $_GET["da2_4"];
```

```
$quiz_4 = $_GET["quiz_4"];
```

```
$course_5 = $_GET["course_5"];
```

```
$course_code_5 = $_GET["course_code_5"];
```

```
$cat1_5 = $_GET["cat1_5"];
```

```
$cat2_5 = $_GET["cat2_5"];
```

```
$da1_5 = $_GET["da1_5"];
```

```
$da2_5 = $_GET["da2_5"];
```

```
$quiz_5 = $_GET["quiz_5"];
```

```
$valid = 1;
```

```
if($cat1_1>30 || $cat1_1<0){
```

```
    echo "<script>alert('".$course_1 CAT 1 marks invalid')</script>";
```

```
    $valid = 0;
```

```
}
```

```
if($cat1_2>30 || $cat1_2<0){
```

```
    echo "<script>alert('".$course_2 CAT 1 marks invalid')</script>";
```

```
    $valid = 0;
```

```
}
```

```
if($cat1_3>30 || $cat1_3<0){
```

```
    echo "<script>alert('".$course_3 CAT 1 marks invalid')</script>";
```

```
    $valid = 0;
```

```
}
```

```
if($cat1_4>30 || $cat1_4<0){
```

```
    echo "<script>alert('".$course_4 CAT 1 marks invalid')</script>";
```

```
    $valid = 0;
```

```
}
```

```
if($cat1_5>30 || $cat1_5<0){
```

```
    echo "<script>alert('".$course_5 CAT 1 marks invalid')</script>";
```

```
    $valid = 0;
```

```
}
```

```
if($cat2_1>30 || $cat2_1<0){
```

```
    echo "<script>alert('".$course_1 CAT 2 marks invalid')</script>";
```

```
    $valid = 0;
```

```
}
```

```
if($cat2_2>30 || $cat2_2<0){
```

```

echo "<script>alert('".$course_2 CAT 2 marks invalid')</script>";
$valid = 0;
}
if($cat2_3>30 || $cat2_3<0){
    echo "<script>alert('".$course_3 CAT 2 marks invalid')</script>";
    $valid = 0;
}
if($cat2_4>30 || $cat2_4<0){
    echo "<script>alert('".$course_4 CAT 2 marks invalid')</script>";
    $valid = 0;
}
if($cat2_5>30 || $cat2_5<0){
    echo "<script>alert('".$course_5 CAT 2 marks invalid')</script>";
    $valid = 0;
}

if($valid==1){
    echo "<div class=form>";
    if($cat1_1<15){
        echo "$course_1 CAT 1: Slow Learner and Do the Extra Assignment work<br>";
    }
    if($cat1_2<15){
        echo "$course_2 CAT 1: Slow Learner and Do the Extra Assignment work<br>";
    }
    if($cat1_3<15){
        echo "$course_3 CAT 1: Slow Learner and Do the Extra Assignment work<br>";
    }
    if($cat1_4<15){
        echo "$course_4 CAT 1: Slow Learner and Do the Extra Assignment work<br>";
    }
    if($cat1_5<15){

```

```

        echo "$course_5 CAT 1: Slow Learner and Do the Extra Assignment work<br>";
    }

    if($cat2_1<15){
        echo "$course_1 CAT 2: Slow Learner and Do the Extra Assignment work<br>";
    }
    if($cat2_2<15){
        echo "$course_2 CAT 2: Slow Learner and Do the Extra Assignment work<br>";
    }
    if($cat2_3<15){
        echo "$course_3 CAT 2: Slow Learner and Do the Extra Assignment work<br>";
    }
    if($cat2_4<15){
        echo "$course_4 CAT 2: Slow Learner and Do the Extra Assignment work<br>";
    }
    if($cat2_5<15){
        echo "$course_5 CAT 2: Slow Learner and Do the Extra Assignment work<br>";
    }
    echo "</div>";
}

if($valid==1){
    echo "<div class=form><p>Name: $name</p><p>Registration Number: $regno</p><p>Branch:
$branch</p><table class=center>";

    $subject_1_internal1= ($cat1_1)/2;
    $subject_1_internal2= ($cat2_1)/2;
    $subject_1_internal3= $da1_1 + $da2_1 + $quiz_1;
    $subject_2_internal1= ($cat1_2)/2;
    $subject_2_internal2= ($cat2_2)/2;
    $subject_2_internal3= $da1_2 + $da2_2 + $quiz_2;
    $subject_3_internal1= ($cat1_3)/2;

```

```

$subject_3_internal2= ($cat2_3)/2;
$subject_3_internal3= $da1_3 + $da2_3 + $quiz_3;
$subject_4_internal1= ($cat1_4)/2;
$subject_4_internal2= ($cat2_4)/2;
$subject_4_internal3= $da1_4 + $da2_4 + $quiz_4;
$subject_5_internal1= ($cat1_5)/2;
$subject_5_internal2= ($cat2_5)/2;
$subject_5_internal3= $da1_5 + $da2_5 + $quiz_5;

$s1i=$subject_1_internal1+$subject_1_internal2+$subject_1_internal3;
$s2i=$subject_2_internal1+$subject_2_internal2+$subject_2_internal3;
$s3i=$subject_3_internal1+$subject_3_internal2+$subject_3_internal3;
$s4i=$subject_4_internal1+$subject_4_internal2+$subject_4_internal3;
$s5i=$subject_5_internal1+$subject_5_internal2+$subject_5_internal3;
$internal_tot = array($s1i, $s2i, $s3i, $s4i, $s5i);
rsort($internal_tot);
$avg=0;
for($x=0; $x<5;$x++){
    $avg=$avg+$internal_tot[$x];
}
$avg=floatval($avg/5);
$cgpa=$avg*10/60;
$cgpa=number_format((float)$cgpa, 2, '.', '');

echo "<tr><th>Course</th><th>Course Code</th><th>Internal 1</th><th>Internal
2</th><th>Internal 3</th><th>Total</th></tr>";

echo
"<tr><td>$course_1</td><td>$course_code_1</td><td>$subject_1_internal1</td><td>$subject_1_i
nternal2</td><td>$subject_1_internal3</td><td>$s1i</td></tr>";

echo
"<tr><td>$course_2</td><td>$course_code_2</td><td>$subject_2_internal1</td><td>$subject_2_i
nternal2</td><td>$subject_2_internal3</td><td>$s2i</td></tr>";

```

```

        echo
" <tr><td>$course_3</td><td>$course_code_3</td><td>$subject_3_internal1</td><td>$subject_3_i
nternal2</td><td>$subject_3_internal3</td><td>$s3i</td></tr>";

        echo
" <tr><td>$course_4</td><td>$course_code_4</td><td>$subject_4_internal1</td><td>$subject_4_i
nternal2</td><td>$subject_4_internal3</td><td>$s4i</td></tr>";

        echo
" <tr><td>$course_5</td><td>$course_code_5</td><td>$subject_5_internal1</td><td>$subject_5_i
nternal2</td><td>$subject_5_internal3</td><td>$s5i</td></tr>";

        echo " <tr><th colspan=5 align=right style='padding-
right:10px;'>Average:</th><th>$avg</th></tr>";

        echo "</table><p>Total marks of subjects in sorted order: $internal_tot[0], $internal_tot[1],
$internal_tot[2], $internal_tot[3], $internal_tot[4]</p>";

        echo "<p>CGPA: $cgpa</p></div>";

    }
}
?>

```

```

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>DA4</title>

    <style>

        .center {

            margin-left: auto;

            margin-right: auto;

        }

        fieldset{

            width:250px;

        }

        div.form{

```

```

        display: block;
        text-align: center;
    }
    form{
        display: inline-block;
        margin-left: auto;
        margin-right: auto;
    }
    .table tr td:nth-child(1){
        text-align: right;
        font-family:'Lucida Sans', 'Lucida Sans Regular', 'Lucida Grande', 'Lucida Sans Unicode',
Geneva, Verdana, sans-serif;
    }
    .center td{
        border: 1px solid black;
        border-collapse: collapse;
    }
    .center th{
        border: 1px solid black;
        border-collapse: collapse;
        font-family:Arial, Helvetica, sans-serif
    }
    form{
        padding: 50px;
    }
</style>
</head>
<body>
<div class="form">
    <form method="get" action="DA4.php">
        <fieldset>

```



<legend>Personal Details</legend>

<table>

<tr>

<td> <label for="name">Name</label> </td>

<td> <input type="text" id="name" name="name"> </td>

</tr>

<tr>

<td> <label for="regno">Reg. No.</label> </td>

<td> <input type="text" id="regno" name="regno"> </td>

</tr>

<tr>

<td> <label for="branch">Branch</label> </td>

<td> <input type="text" id="branch" name="branch"> </td>

</tr>

</table>

</fieldset>

<fieldset>

<legend>Subject 1</legend>

<table class=table>

<tr>

<td> <label for="course\_1">COURSE</label> </td>

<td> <input type="text" id="course\_1" name="course\_1"> </td>

</tr>

<tr>

<td> <label for="course\_code\_1">CODE</label> </td>

<td> <input type="text" id="course\_code\_1" name="course\_code\_1"> </td>

</tr>

<tr>

<td> <label for="cat1\_1">CAT1</label> </td>

```

        <td> <input type="number" id="cat1_1" name="cat1_1"> </td>
    </tr>
    <tr>
        <td> <label for="cat2_1">CAT2</label> </td>
        <td> <input type="number" id="cat2_1" name="cat2_1"> </td>
    </tr>
    <tr>
        <td> <label for="da1_1">DA1</label> </td>
        <td> <input type="number" id="da1_1" name="da1_1"> </td>
    </tr>
    <tr>
        <td> <label for="da2_1">DA2</label> </td>
        <td> <input type="number" id="da2_1" name="da2_1"> </td>
    </tr>
    <tr>
        <td> <label for="quiz_1">QUIZ</label> </td>
        <td> <input type="number" id="quiz_1" name="quiz_1"> </td>
    </tr>
</table>
</fieldset>

<fieldset>
    <legend>Subject 2</legend>
    <table>
        <tr>
            <td> <label for="course_2">COURSE</label> </td>
            <td> <input type="text" id="course_2" name="course_2"> </td>
        </tr>
        <tr>
            <td> <label for="course_code_2">CODE</label> </td>
            <td> <input type="text" id="course_code_2" name="course_code_2"> </td>
        </tr>
    </table>

```

```

</tr>

<tr>
  <td> <label for="cat1_2">CAT1</label> </td>
  <td> <input type="number" id="cat1_2" name="cat1_2"> </td>
</tr>

<tr>
  <td> <label for="cat2_2">CAT2</label> </td>
  <td> <input type="number" id="cat2_2" name="cat2_2"> </td>
</tr>

<tr>
  <td> <label for="da1_2">DA1</label> </td>
  <td> <input type="number" id="da1_2" name="da1_2"> </td>
</tr>

<tr>
  <td> <label for="da2_2">DA2</label> </td>
  <td> <input type="number" id="da2_2" name="da2_2"> </td>
</tr>

<tr>
  <td> <label for="quiz_2">QUIZ</label> </td>
  <td> <input type="number" id="quiz_2" name="quiz_2"> </td>
</tr>
</table>
</fieldset>

<fieldset>
  <legend>Subject 3</legend>
  <table>
    <tr>
      <td> <label for="course_3">COURSE</label> </td>
      <td> <input type="text" id="course_3" name="course_3"> </td>
    </tr>
  </table>
</fieldset>

```

```

</tr>

<tr>

  <td> <label for="course_code_3">CODE</label> </td>

  <td> <input type="text" id="course_code_3" name="course_code_3"> </td>

</tr>


<tr>

  <td> <label for="cat1_3">CAT1</label> </td>

  <td> <input type="number" id="cat1_3" name="cat1_3"> </td>

</tr>

<tr>

  <td> <label for="cat2_3">CAT2</label> </td>

  <td> <input type="number" id="cat2_3" name="cat2_3"> </td>

</tr>

<tr>

  <td> <label for="da1_3">DA1</label> </td>

  <td> <input type="number" id="da1_3" name="da1_3"> </td>

</tr>

<tr>

  <td> <label for="da2_3">DA2</label> </td>

  <td> <input type="number" id="da2_3" name="da2_3"> </td>

</tr>

<tr>

  <td> <label for="quiz_3">QUIZ</label> </td>

  <td> <input type="number" id="quiz_3" name="quiz_3"> </td>

</tr>

</table>

</fieldset>


<fieldset>

  <legend>Subject 4</legend>

```

```
<table>

  <tr>

    <td> <label for="course_4">COURSE</label> </td>

    <td> <input type="text" id="course_4" name="course_4"> </td>

  </tr>

  <tr>

    <td> <label for="course_code_4">CODE</label> </td>

    <td> <input type="text" id="course_code_4" name="course_code_4"> </td>

  </tr>

  <tr>

    <td> <label for="cat1_4">CAT1</label> </td>

    <td> <input type="number" id="cat1_4" name="cat1_4"> </td>

  </tr>

  <tr>

    <td> <label for="cat2_4">CAT2</label> </td>

    <td> <input type="number" id="cat2_4" name="cat2_4"> </td>

  </tr>

  <tr>

    <td> <label for="da1_4">DA1</label> </td>

    <td> <input type="number" id="da1_4" name="da1_4"> </td>

  </tr>

  <tr>

    <td> <label for="da2_4">DA2</label> </td>

    <td> <input type="number" id="da2_4" name="da2_4"> </td>

  </tr>

  <tr>

    <td> <label for="quiz_4">QUIZ</label> </td>

    <td> <input type="number" id="quiz_4" name="quiz_4"> </td>

  </tr>

</table>
```

</fieldset>

<fieldset>

<legend>Subject 5</legend>

<table>

<tr>

<td> <label for="course\_5">COURSE</label> </td>

<td> <input type="text" id="course\_5" name="course\_5"> </td>

</tr>

<tr>

<td> <label for="course\_code\_5">CODE</label> </td>

<td> <input type="text" id="course\_code\_5" name="course\_code\_5"> </td>

</tr>

<tr>

<td> <label for="cat1\_5">CAT1</label> </td>

<td> <input type="number" id="cat1\_5" name="cat1\_5"> </td>

</tr>

<tr>

<td> <label for="cat2\_5">CAT2</label> </td>

<td> <input type="number" id="cat2\_5" name="cat2\_5"> </td>

</tr>

<tr>

<td> <label for="da1\_5">DA1</label> </td>

<td> <input type="number" id="da1\_5" name="da1\_5"> </td>

</tr>

<tr>

<td> <label for="da2\_5">DA2</label> </td>

<td> <input type="number" id="da2\_5" name="da2\_5"> </td>

</tr>

<tr>

```

        <td> <label for="quiz_5">QUIZ</label> </td>

        <td> <input type="number" id="quiz_5" name="quiz_5"> </td>

    </tr>

</table>

</fieldset>

<input type=submit name=submit>

</form>

</div>

</body>

</html>

```

## SCREENSHOTS

The screenshot shows a web browser window with the address bar displaying 'localhost/DA4.php'. The page contains a form with the following sections:

- Personal Details:**
  - Name:
  - Reg. No:
  - Branch:
- Subject 1:**
  - COURSE:
  - CODE:
  - CAT1:
  - CAT2:
  - DA1:
  - DA2:
  - QUIZ:
- Subject 2:**
  - COURSE:
  - CODE:
  - CAT1:
  - CAT2:
  - DA1:
  - DA2:
  - QUIZ:
- Subject 3:**
  - COURSE:
  - CODE:
  - CAT1:
  - CAT2:
  - DA1:
  - DA2:
  - QUIZ:
- Subject 4:**
  - COURSE:
  - CODE:
  - CAT1:
  - CAT2:
  - DA1:
  - DA2:
  - QUIZ:
- Subject 5:**
  - COURSE:
  - CODE:
  - CAT1:
  - CAT2:
  - DA1:
  - DA2:
  - QUIZ:

At the bottom of the form, there is a **Submit** button.

DA4

localhost/DA4.php

Personal Details

Name

Reg. No.

Branch

Subject 1

COURSE

CODE

CAT1

CAT2

DA1

DA2

QUIZ

Subject 2

COURSE

CODE

CAT1

CAT2

DA1

DA2

QUIZ

Subject 3

COURSE

CODE

CAT1

CAT2

DA1

DA2

DA4

localhost/DA4.php?name=Gaurav+Kumar+Singh&regno=19BCE2119&branch=CSE&course\_1=i&course\_code\_1=i&cat1\_1=16&cat2\_1=16&da1\_1=9&da2\_1=8&quiz\_1=9&c...

Name: Gaurav Kumar Singh

Registration Number: 19BCE2119

Branch: CSE

| Course   | Course Code | Internal 1 | Internal 2 | Internal 3 | Total |
|----------|-------------|------------|------------|------------|-------|
| i        | i           | 8          | 8          | 26         | 42    |
| w        | w           | 11         | 11         | 18         | 40    |
| q        | q           | 10.5       | 10.5       | 24         | 45    |
| e        | e           | 12         | 12         | 21         | 45    |
| r        | r           | 13.5       | 13.5       | 15         | 42    |
| Average: |             |            |            |            | 42.8  |

Total marks of subjects in sorted order: 45, 45, 42, 42, 40

CGPA: 7.13

DA4

localhost/DA4.php?name=Gaurav+Kumar+Singh&regno=19BCE2119&branch=CSE&course\_1=i&course\_code\_1=i&cat1\_1=16&cat2\_1=14&da1\_1=9&da2\_1=8&quiz\_1=9&c...

Name: Gaurav Kumar Singh

Registration Number: 19BCE2119

Branch: CSE

Subject 1

COURSE

CODE

CAT1

CAT2

DA1

DA2

QUIZ

Subject 2

COURSE

DA4

localhost/DA4.php?name=Gaurav+Kumar+Singh&regno=19BCE2119&branch=CSE&course\_1=i&course\_code\_1=i&cat1\_1=16&cat2\_1=14&da1\_1=9&da2\_1=8&quiz\_1=9&c...

i CAT 2: Slow Learner and Do the Extra Assignment work

Name: Gaurav Kumar Singh

Registration Number: 19BCE2119

Branch: CSE

| Course   | Course Code | Internal 1 | Internal 2 | Internal 3 | Total |
|----------|-------------|------------|------------|------------|-------|
| i        | i           | 8          | 7          | 26         | 41    |
| w        | w           | 11         | 11         | 18         | 40    |
| q        | q           | 10.5       | 10.5       | 24         | 45    |
| e        | e           | 12         | 12         | 21         | 45    |
| r        | r           | 13.5       | 13.5       | 15         | 42    |
| Average: |             |            |            |            | 42.6  |

Total marks of subjects in sorted order: 45, 45, 42, 41, 40

CGPA: 7.10



