

Name : Kulvir Singh

Register Number : 19BCE2074

# IWP Lab Assessment 4

## Question :

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:

### ***Index.php***

```
<!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>DA 4</title>
    <link rel="stylesheet" href="style.css">
</head>
<body>
    <h1 id="header">IWP Lab Assessment 4</h1><br>
    <form id="form" action="index.php" method="post">
        <fieldset id="personalDetails">
            <legend>Personal Details</legend>
            <label for="name">Name:</label>
            <input type="text" name="name" id="name" ><br>
            <label for="reg">Reg No:</label>
            <input type="text" name="reg" id="reg" ><br>
        </fieldset>
        <fieldset id="IWP">
            <legend>Internet and Web Programming</legend>
            <label for="iwp_course">Course:</label>
            <input type="text" name="iwp_course" id="iwp_course"
><br>
            <label for="iwp_code">Course Code:</label>
            <input type="text" name="iwp_code" id="iwp_code" ><br>
            <label for="iwp_cat1">CAT 1:</label>
            <input type="number" name="iwp_cat1" id="iwp_cat1"
max="30" min="0" ><br>
            <label for="iwp_cat2">CAT 2:</label>
            <input type="number" name="iwp_cat2" id="iwp_cat2"
max="30" min="0" ><br>
            <label for="iwp_da1">DA 1:</label>
            <input type="number" name="iwp_da1" id="iwp_da1"
max="10" min="0" ><br>
            <label for="iwp_da2">DA 2:</label>
```

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        <input type="number" name="iwp_da2" id="iwp_da2"
max="10" min="0" ><br>
        <label for="iwp_quiz">Quiz:</label>
        <input type="number" name="iwp_quiz" id="iwp_quiz"
max="10" min="0" ><br>
    </fieldset>
    <fieldset id="Micro">
        <legend>Microprocessor and Interfacing</legend>
        <label for="micro_course">Course:</label>
        <input type="text" name="micro_course"
id="micro_course" ><br>
        <label for="micro_code">Course Code:</label>
        <input type="text" name="micro_code" id="micro_code"
><br>
        <label for="micro_cat1">CAT 1:</label>
        <input type="number" name="micro_cat1" id="micro_cat1"
max="30" rmin="0" equired><br>
        <label for="micro_cat2">CAT 2:</label>
        <input type="number" name="micro_cat2" id="micro_cat2"
max="30" min="0" ><br>
        <label for="micro_da1">DA 1:</label>
        <input type="number" name="micro_da1" id="micro_da1"
max="10" min="0" ><br>
        <label for="micro_da2">DA 2:</label>
        <input type="number" name="micro_da2" id="micro_da2"
max="10" min="0" ><br>
        <label for="micro_quiz">Quiz:</label>
        <input type="number" name="micro_quiz" id="micro_quiz"
max="10" min="0" ><br>
    </fieldset>
    <fieldset id="AI">
        <legend>Artificial Intelligence</legend>
        <label for="ai_course">Course:</label>
        <input type="text" name="ai_course" id="ai_course"
><br>
        <label for="ai_code">Course Code:</label>
        <input type="text" name="ai_code" id="ai_code" ><br>
        <label for="ai_cat1">CAT 1:</label>
        <input type="number" name="ai_cat1" id="ai_cat1"
max="30" min="0" ><br>
        <label for="ai_cat2">CAT 2:</label>

```

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        <input type="number" name="ai_cat2" id="ai_cat2"
max="30" min="0" ><br>
        <label for="ai_da1">DA 1:</label>
        <input type="number" name="ai_da1" id="ai_da1" max="10"
min="0" ><br>
        <label for="ai_da2">DA 2:</label>
        <input type="number" name="ai_da2" id="ai_da2" max="10"
min="0" ><br>
        <label for="ai_quiz">Quiz:</label>
        <input type="number" name="ai_quiz" id="ai_quiz"
max="10" min="0" ><br>
    </fieldset>
    <fieldset id="OS">
        <legend>Operating System</legend>
        <label for="os_course">Course:</label>
        <input type="text" name="os_course" id="os_course"
><br>
        <label for="os_code">Course Code:</label>
        <input type="text" name="os_code" id="os_code" ><br>
        <label for="os_cat1">CAT 1:</label>
        <input type="number" name="os_cat1" id="os_cat1"
max="30" min="0" ><br>
        <label for="os_cat2">CAT 2:</label>
        <input type="number" name="os_cat2" id="os_cat2"
max="30" min="0" ><br>
        <label for="os_da1">DA 1:</label>
        <input type="number" name="os_da1" id="os_da1" max="10"
min="0" ><br>
        <label for="os_da2">DA 2:</label>
        <input type="number" name="os_da2" id="os_da2" max="10"
min="0" ><br>
        <label for="os_quiz">Quiz:</label>
        <input type="number" name="os_quiz" id="os_quiz"
max="10" min="0" ><br>
    </fieldset>
    <fieldset id="Java">
        <legend>Java Programming</legend>
        <label for="java_course">Course:</label>
        <input type="text" name="java_course" id="java_course"
><br>
        <label for="java_code">Course Code:</label>

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        <input type="text" name="java_code" id="java_code"
><br>
        <label for="java_cat1">CAT 1:</label>
        <input type="number" name="java_cat1" id="java_cat1"
max="30" min="0" ><br>
        <label for="java_cat2">CAT 2:</label>
        <input type="number" name="java_cat2" id="java_cat2"
max="30" min="0" ><br>
        <label for="java_da1">DA 1:</label>
        <input type="number" name="java_da1" id="java_da1"
max="10" min="0" ><br>
        <label for="java_da2">DA 2:</label>
        <input type="number" name="java_da2" id="java_da2"
max="10" min="0" ><br>
        <label for="java_quiz">Quiz:</label>
        <input type="number" name="java_quiz" id="java_quiz"
max="10" min="0" ><br>
    </fieldset>
    <input type="submit" value="Submit" name="submit"
id="submit">
</form>
<?php
    if($_SERVER['REQUEST_METHOD'] == 'POST'){
        $name = $_POST['name'];
        $reg = $_POST['reg'];

        if($_POST['iwp_cat1'] < 15 || $_POST['iwp_cat2'] < 15
|| $_POST['micro_cat1'] < 15 || $_POST['micro_cat2'] < 15 ||
$_POST['ai_cat1'] < 15 || $_POST['ai_cat2'] < 15 ||
$_POST['nlp_cat1'] < 15 || $_POST['nlp_cat2'] < 15 ||
$_POST['java_cat1'] < 15 || $_POST['java_cat2'] < 15){
            echo '<p id="remarks">Slow Learner and Do the Extra
Assignment work<p>';
        }
        echo '<p id="details">Name:', $name, '</p>';
        echo "<p id='details">Registration Number: $reg</p>";
        $IWP = $_POST['iwp_cat1']*0.5 + $_POST['iwp_cat2']*0.5
+ $_POST['iwp_da1'] + $_POST['iwp_da2'] + $_POST['iwp_quiz'];
        $Micro = $_POST['micro_cat1']*0.5 +
$_POST['micro_cat2']*0.5 + $_POST['micro_da1'] +
$_POST['micro_da2'] + $_POST['micro_quiz'];

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        $AI = $_POST['ai_cat1']*0.5 + $_POST['ai_cat2']*0.5 +
$_POST['ai_da1'] + $_POST['ai_da2'] + $_POST['ai_quiz'];
        $OS = $_POST['os_cat1']*0.5 + $_POST['os_cat2']*0.5 +
$_POST['os_da1'] + $_POST['os_da2'] + $_POST['os_quiz'];
        $Java = $_POST['java_cat1']*0.5 +
$_POST['java_cat2']*0.5 + $_POST['java_da1'] + $_POST['java_da2'] +
$_POST['java_quiz'];
        $avg = ($IWP + $Micro + $AI + $OS + $Java)/5;
        echo "<p>IWP: " . ($_POST['iwp_cat1']*0.5 +
$_POST['iwp_cat2']*0.5 + $_POST['iwp_da1'] + $_POST['iwp_da2'] +
$_POST['iwp_quiz']) . "</p>";
        echo "<p>Micro: " . ($_POST['micro_cat1']*0.5 +
$_POST['micro_cat2']*0.5 + $_POST['micro_da1'] +
$_POST['micro_da2'] + $_POST['micro_quiz']) . "</p>";
        echo "<p>AI: " . ($_POST['ai_cat1']*0.5 +
$_POST['ai_cat2']*0.5 + $_POST['ai_da1'] + $_POST['ai_da2'] +
$_POST['ai_quiz']) . "</p>";
        echo "<p>OS: " . ($_POST['os_cat1']*0.5 +
$_POST['os_cat2']*0.5 + $_POST['os_da1'] + $_POST['os_da2'] +
$_POST['os_quiz']) . "</p>";
        echo "<p>Java: " . ($_POST['java_cat1']*0.5 +
$_POST['java_cat2']*0.5 + $_POST['java_da1'] + $_POST['java_da2'] +
$_POST['java_quiz']) . "</p>";

        echo '<br><p><table style="padding-left: 42%;> <tr>
<th>Course</th> <th>Course Code</th> <th>Grade</th> </tr>
        <tr> <td>' . $_POST["iwp_course"] . ' </td> <td>' .
$_POST["iwp_code"] . '</td> <td>' . ($_POST["iwp_cat1"]*0.5 +
$_POST["iwp_cat2"]*0.5 + $_POST["iwp_da1"] + $_POST["iwp_da2"] +
$_POST["iwp_quiz"]) . '</td> </tr>
        <tr> <td>' . $_POST["micro_course"] . ' </td> <td>' .
$_POST["micro_code"] . '</td> <td>' . ($_POST["micro_cat1"]*0.5 +
$_POST["micro_cat2"]*0.5 + $_POST["micro_da1"] +
$_POST["micro_da2"] + $_POST["micro_quiz"]) . '</td> </tr>
        <tr> <td>' . $_POST["ai_course"] . ' </td> <td>' .
$_POST["ai_code"] . '</td> <td>' . ($_POST["ai_cat1"]*0.5 +
$_POST["ai_cat2"]*0.5 + $_POST["ai_da1"] + $_POST["ai_da2"] +
$_POST["ai_quiz"]) . '</td> </tr>
        <tr> <td>' . $_POST["os_course"] . ' </td> <td>' .
$_POST["os_code"] . '</td> <td>' . ($_POST["os_cat1"]*0.5 +
$_POST["os_cat2"]*0.5 + $_POST["os_da1"] + $_POST["os_da2"] +
$_POST["os_quiz"]) . '</td> </tr>

```

```

        <tr> <td>' . $_POST["java_course"] . ' </td> <td>' .
$_POST["java_code"] . ' </td> <td>' . ($_POST["java_cat1"]*0.5 +
$_POST["java_cat2"]*0.5 + $_POST["java_da1"] + $_POST["java_da2"] +
$_POST["java_quiz"]) . ' </td> </tr>
        <tr> <td>Average </td> <td></td> <td>' . ($IWP + $Micro
+ $AI + $OS + $Java)/5 . ' </td> </tr> </table></p><br>';
        $marks = array($IWP, $Micro, $AI, $OS, $Java);
        rsort($marks);
        $i=0;
        foreach($marks as $mark){
            echo "<p>Rank: ".$i+1)."    $mark</p><br>";
            $i++;
        }
        $GPA = $avg/6;
        echo "<p>GPA: " . number_format((float)$GPA, 2, '.',
'')."</p>";
        if($GPA>=9.0){
            echo "<p>Grade: S</p>";
        }
        else if($GPA>=8.5){
            echo "<p>Grade: A</p>";
        }
        else if($GPA>=8.0){
            echo "<p>Grade: A-</p>";
        }
        else if($GPA>=7.5){
            echo "<p>Grade: B</p>";
        }
        else if($GPA>=7.0){
            echo "<p>Grade: C</p>";
        }
        else if($GPA>=6.0){
            echo "<p>Grade: D</p>";
        }
        else{
            echo "<p>Grade: F</p>";
        }
    }

    ?>
</body>
</html>

```

## Style.css

```
body {
    text-align: center;
    background-color: antiquewhite;
}
form {
    display: inline-block;
    width: 50%;
    background-color: lightgrey;
    color: green;
    font-family: 'Lucida Sans', 'Lucida Sans Regular', 'Lucida
Grande', 'Lucida Sans Unicode', Geneva, Verdana, sans-serif;
}
#header{
    font-family: Impact, Haettenschweiler, 'Arial Narrow Bold',
sans-serif;
    font-size: x-large;
    color: blue;
}
#remarks{
    font-size: large;
    color: red;
}
#details{
    font-family: 'Franklin Gothic Medium', 'Arial Narrow', Arial,
sans-serif;
    font-size: larger;
    color: darkcyan;
}
```

## Output Screenshots



DA 4

localhost/iwpa5/index.php

## IWP Lab Assessment 4

Personal Details

Name:

Reg No:

Internet and Web Programming

Course:

Course Code:

CAT 1:

CAT 2:

DA 1:

DA 2:

Quiz:

Microprocessor and Interfacing

Course:

Course Code:

CAT 1:

CAT 2:

DA 1:

DA 2:

Quiz:

DA 4

localhost/iwpa5/index.php

CAT 2:

DA 1:

DA 2:

Quiz:

Operating System

Course:

Course Code:

CAT 1:

CAT 2:

DA 1:

DA 2:

Quiz:

Java Programming

Course:

Course Code:

CAT 1:

CAT 2:

DA 1:

DA 2:

Quiz:

Submit

Slow Learner and Do the Extra Assignment work

DA 4

localhost/iwpda5/index.php

SHOW LEARNER and DO the Extra Assignment work

Name: Kulvir Singh

Registration Number: 19BCE2074

IWP: 45

Micro: 39.5

AI: 40

OS: 40.5

Java: 40

Course	Course Code	Grade
IWP	cse3001	45
Micro	cse3002	39.5
AI	cse3003	40
OS	cse3004	40.5
Java	cse3005	40
Average		41

Rank:1 45

Rank:2 40.5

DA 4

localhost/iwpda5/index.php

Course	Course Code	Grade
IWP	cse3001	45
Micro	cse3002	39.5
AI	cse3003	40
OS	cse3004	40.5
Java	cse3005	40
Average		41

Rank:1 45

Rank:2 40.5

Rank:3 40

Rank:4 40

Rank:5 39.5

GPA: 6.83

Grade: D