

# **Practical 6**

## **LAMP Technology**

2CSDE69

**Mistry Unnat**

20BCE515

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Department of Computer Science and Engineering

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**AIM:**

- A. Create a customer registration form for bank. Validate the form using PHP validators and display error messages.**
- B. Create a form for student semester grade report. Validate the form using PHP validators and display error messages.**

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**6-A**

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**Bank.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>Registration Form</title>
    <link rel="stylesheet" href="style.css">
</head>

<body>
    <?php
include "validate.php";
?>
<center>
    <h1>Account Registration Form</h1>
</center>
    <div id="form">
        <form action="<?php echo htmlspecialchars($_SERVER['PHP_SELF']) ?>"
method="post">
            <span class="error">
                <?php echo $requiredErr ?>
            </span>
            <br>
            <h2>Account Information</h2>

            <!-- Account type -->
            <label for="accountType">Account type : </label>
            <select name="accountType" id="accountType" value="currentAccount"
>
                <option selected disabled hidden style='display: none'
value=''></option>
                <option value="currentAccount" <?php echo
$_SESSION['currentAccount'] ?>>Current Account</option>
```

```

        <option value="savingAccount" <?php echo
$_SESSION['savingAccount'] ?>>Saving Account</option>
        <option value="nreAccount" <?php echo $_SESSION['nreAccount']
?>>NRE Account</option>
    </select>
    <span class="error">
        <?php echo $accountTypeErr ?>
    </span>
    <br><br><br>

    <h2>Personal Information</h2>
    <p>The information given in this section is considered as the
information of the primary account owner
        information.</p>

    <!-- Photograph -->
    <label for="photograph">Attach photograph : </label>
    <!-- <input type="file" name="img" id="img" accept="image/*"
onchange="loadFile(event)" src="<?php echo $_SESSION['img']; ?>" -->
    <input type="file" name="img" id="img" accept="image/*"
onchange="loadFile(event)"
        src="WIN_20220222_16_53_12_Pro">

    <span class="error">
        <?php echo $imgErr ?>
    </span><br>
    <img id="output" width="200" />
    <br><br>

    <!-- Name -->
    <label for="name">Name</label><br>
    <input type="text" name="surname" id="name" placeholder="Surname"
value="<?php echo $_SESSION['surname'] ?>">
    <span class="error">
        <?php echo $surnameErr ?>
    </span>
    <input type="text" name="firstName" id="name" placeholder="First
Name" value="<?php echo $_SESSION['firstName'] ?>">
    <span class="error">
        <?php echo $firstNameErr ?>
    </span>
    <input type="text" name="lastName" id="name" placeholder="Last
Name" value="<?php echo $_SESSION['lastName'] ?>">
    <span class="error">
        <?php echo $lastNameErr ?>
    </span>
    <br><br>

```

```
<!-- Phone Number -->
<label for="phone">Phone Number</label><br>
<input type="text" name="phoneAreaCode" id="phone" value="+91"
placeholder="Area code" size="5">
<input type="text" name="phone" id="phone" placeholder="Phone
Number" value="<?php echo $_SESSION['phone'] ?>">
<span class="error">
    <?php echo $phoneErr ?>
</span>

<br><br>

<!-- Email Address -->
<label for="email">Email</label><br>
<input type="email" name="email" id="email" value="<?php echo
$_SESSION['email'] ?>">
<span class="error">
    <?php echo $emailErr ?>
</span>

<br><br>

<!-- Date of Birth -->
<label for="DOB">Date of Birth</label><br>
<input type="date" name="DOB" id="DOB" value="$_SESSION['DOB']">
<span class="error">
    <?php echo $DOBErr ?>
</span>

<br><br>

<!-- Aadhar Number-->
<label for="aadhar">Aadhar Number</label><br>
<input type="text" name="aadhar" id="aadhar" value="<?php echo
$_SESSION['aadhar']; ?>">
<span class="error">
    <?php echo $aadharErr ?>
</span>
<br><br>

<!-- Marital Status -->
<label>Marital Status</label><br>
Married<input type="radio" name="maritalStatus" id="married"
value="married" <?php echo $_SESSION['married'] ?>>
&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&~
Not-married<input type="radio" name="maritalStatus" id="married"
value="notMarried" <?php echo $ SESSION['notMarried'] ?>>
```

```

        <span class="error">
            <?php echo $maritalStatusErr ?>
        </span>
        <br><br>

        <!-- Permanent Address -->
        <label for="permanentAddress">Permanent Address</label><br>
        <input type="text" name="street1" id="permanentAddress"
placeholder="Street Address 1" value="<?php echo $_SESSION['street1'] ?>">
        <span class="error">
            <?php echo $street1Err ?>
        </span>

        <input type="text" name="street2" id="permanentAddress"
placeholder="Street Address 2" value="<?php echo $_SESSION['street2'] ?>">
        <br>
        <input type="text" name="city" placeholder="City" value="<?php
echo $_SESSION['city'] ?>">
        <span class="error">
            <?php echo $cityErr ?>
        </span>

        <input type="text" name="state" placeholder="State" value="<?php
echo $_SESSION['state'] ?>">
        <span class="error">
            <?php echo $stateErr ?>
        </span>

        <input type="text" name="pincode" placeholder="Pincode"
value="<?php echo $_SESSION['pincode'] ?>">
        <span class="error">
            <?php echo $pincodeErr ?>
        </span>
        <br>
        <span class="error">
            <?php echo $addressErr ?>
        </span>

        <br><br>

        <!-- Signature -->
        <label for="signature">Attach signature : </label>
        <input type="file" name="signature" id="signature"
accept="image/*" onchange="loadFile2(event)">
        <span class="error">
            <?php echo $signatureErr ?>
        </span>

```

```

        <br>
        <img id="signatureImg" width="200" />
        <br><br>

        <p>By signing this form, I acknowledge that the information I've
given in this form is accurate and I agree
        all the terms and conditions.</p>
        <input type="checkbox" name="agreeTermsAndConditions"
id="agreeTermsAndConditions" <?php echo $_SESSION['agreeTermsAndConditions']
?>> <label
        for="agreeTermsAndConditions" style="font-weight: normal;">I
agree to terms and conditions </label>
        <span class="error">
        <?php echo $agreeTermsAndConditionsErr ?>
        </span>

        <br><br>
        <center>
        <input type="submit" value="Submit">
        </center>
    </form>

</div>
</body>
<script>
    var loadFile = function (event) {
        var image = document.getElementById('output');
        image.src = URL.createObjectURL(event.target.files[0]);
    };

    var loadFile2 = function (event) {
        var image = document.getElementById('signatureImg');
        image.src = URL.createObjectURL(event.target.files[0]);
    };
</script>
</html>

```

## validate.php :

```

<?php
session_start();

$inputArr = array('img', 'surname', 'firstName', 'lastName', 'phoneAreaCode',
'phone', 'email', 'DOB', 'aadhar', 'street1', 'street2', 'city', 'state',
'pincode', 'signature');

```

```
$listArr = array('accountType', 'address', 'currentAccount', 'savingAccount',
'nreAccount', 'maritalStatus', 'married', 'notMarried',
'agreeTermsAndConditions');
$requiredErr = "";
foreach ($inputArr as $arr) {
    // variables to display error
    $temp = $arr . "Err";
    $$temp = "";

    // session variable
    $_SESSION[$arr] = "";
}

foreach ($listArr as $arr) {
    // variables to display error
    $temp = $arr . "Err";
    $$temp = "";

    // session variable
    $_SESSION[$arr] = "";
}

function test_input($data)
{
    $data = trim($data);
    $data = stripslashes($data);
    $data = htmlspecialchars($data);
    return $data;
}

if ($_SERVER["REQUEST_METHOD"] == "POST") {
    foreach ($inputArr as $arr) {
        $_SESSION[$arr] = test_input($_POST[$arr]);
    }

    // Check if the input is empty
    foreach ($inputArr as $arr) {
        if (empty($_SESSION[$arr])) {
            $temp = $arr . "Err";
            $$temp = "*";
        }
    }

    // Validate Account Type
    if (empty($_POST['accountType'])) {
        $accountTypeErr = "*";
    } else {
        $_SESSION['accountType'] = $_POST['accountType'];
        $_SESSION[$_SESSION['accountType']] = "selected";
    }
}
```

```
}

// Validate Name
function validateName($name)
{
    if (empty($_SESSION[$name])) {
        return "*";
    }

    if (preg_match_all('/[^A-Za-z]/', $_SESSION[$name])) {
        $_SESSION[$name] = "";
        return "Only letters are allowed";
    }
    return "";
}

$surnameErr = validateName("surname");
$firstNameErr = validateName("firstName");
$lastNameErr = validateName("lastName");

// Validate phone no
if (!empty($_SESSION['phone']) && (!preg_match_all('/[0-9]/',
$_SESSION['phone']) || strlen($_SESSION['phone']) != 10)) {
    $_SESSION['phone'] = "";
    $phoneErr = "Invalid Phone Number";
}

// Validate email
if (!empty($_SESSION['email']) && !filter_var($_SESSION['email'],
FILTER_VALIDATE_EMAIL)) {
    $_SESSION['email'] = "";
    $emailErr = "Invalid email";
}

// Validate age
if (!empty($_SESSION['DOB'])) {
    $date1 = new DateTime("now");
    $date2 = new DateTime($_SESSION['DOB']);
    $interval = $date1->diff($date2);
    // echo "difference " . . " years, " . $interval->m." months,
    ".$interval->d." days ";
    if ($interval->y < 18) {
        $_SESSION['DOB'] = "";
        $DOBErr = "You must be 18 years old";
    } else if ($interval->y > 120) {
        $_SESSION['DOB'] = "";
        $DOBErr = "Invalid DOB";
    }
}
```



```

    }

    // Validate aadhar no
    if (!empty($_SESSION['aadhar']) && (!preg_match_all('/[0-9]/',
$_SESSION['aadhar']) || strlen($_SESSION['aadhar']) != 12)) {

        $aadharErr = "Invalid Aadhar Number";
        // $_SESSION['aadhar'] = "";
    }

    // Save marital status in session
    if (empty($_POST['maritalStatus'])) {
        $maritalStatusErr = "*";
    } else {
        $_SESSION[$_POST['maritalStatus']] = "checked";
    }

    // Validate Address
    if (!empty($_SESSION['street1'])) {
        if (preg_match_all('/[^0-9a-zA-Z ,\//]/', $_SESSION['street1'])) {
            $addressErr = $addressErr . "<br>Only letters, numbers , ',' and
 '/' are allowed in street address";
            $_SESSION['street1'] = "";
        }
    }

    if (!empty($_SESSION['city'])) {
        if (preg_match_all('/[^a-zA-Z]/', $_SESSION['city'])) {
            $addressErr = $addressErr . "<br>Only letters are allowed in city
address";
            $_SESSION['city'] = "";
        }
    }

    if (!empty($_SESSION['state'])) {
        if (preg_match_all('/[^a-zA-Z]/', $_SESSION['state'])) {
            $addressErr = $addressErr . "<br>Only letters are allowed in state
address";
            $_SESSION['state'] = "";
        }
    }

    if (!empty($_SESSION['pincode'])) {
        if (preg_match_all('/[^0-9]/', $_SESSION['pincode']) ||
strlen($_SESSION['pincode']) < 2 || strlen($_SESSION['pincode']) > 7) {
            $addressErr = $addressErr . "<br>Invalid pincode";
        }
    }

```

```

        $_SESSION['pincode'] = "";
    }
}

if (isset($_POST['agreeTermsAndConditions'])) {
    $_SESSION['agreeTermsAndConditions'] = "checked";
} else {
    $agreeTermsAndConditionsErr = "*";
}

echo empty($_POST['agreeTermsAndConditions']) . "<br>";
if (!(empty($_SESSION['accountType']) || empty($_SESSION['surname']) ||
empty($_SESSION['firstName']) || empty($_SESSION['lastName']) ||
empty($_SESSION['phone']) || empty($_SESSION['email']) ||
empty($_SESSION['aadhar']) || empty($_SESSION['street1']) &&
empty($_SESSION['city']) || empty($_SESSION['state']) ||
empty($_SESSION['pincode']) || empty($_SESSION['agreeTermsAndConditions']))) {
    echo "<script>alert('Form Submitted Successfully...'); window.location
= './bank.php';</script>";
} else {
    $requiredErr = "* is required";
}
}

```

### style.css :

```

body {
    background-color: #ebe6f9;
    font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
    font-size: 15px;
}
#form {
    background-color: rgb(255, 255, 255);
    width: 50%;
    margin: 0px auto;
    padding: 20px 50px;
    border-radius: 0px 0px 15px 15px;
}
h1 {
    background-color: #6040b2;
    color: white;
    width: 50%;
    border-radius: 15px 15px 0px 0px;
    font-weight: lighter;
    padding: 5px 50px;
    margin-bottom: 0px;
}
label {

```

```
    font-weight: bold
}
h2 {
    color: rgb(15, 104, 192);
    font-size: 20px;
    text-decoration: underline;
}
input[type=submit] {
    background-color: #6040b2;
    color: white;
    border-radius: 5px;
    margin-top: 15px;
    padding: 6px;
}
.error {
    color: red;
}
```

## Screenshots:

The screenshot displays a web browser window with the address bar showing 'localhost/p/a/bank.php'. The page title is 'Registration Form'. The main content is an 'Account Registration Form' with a purple header. The form is divided into several sections:

- Account Information:** Includes a dropdown for 'Account type'.
- Personal Information:** Includes a note: 'The information given in this section is considered as the information of the primary account owner information.' It features a file upload for 'Attach photograph' (No file chosen), a 'Name' section with 'Surname', 'First Name', and 'Last Name' fields, a 'Phone Number' section with a '+91' prefix and a 'Phone Number' field, an 'Email' field, a 'Date of Birth' field (format dd-mm-yyyy), an 'Aadhar Number' field, and a 'Marital Status' section with 'Married' and 'Not-married' radio buttons.
- Permanent Address:** Includes fields for 'Street Address 1', 'Street Address 2', 'City', 'State', and 'Pincode'.
- Attach signature:** Includes a file upload (No file chosen).
- Terms and Conditions:** A checkbox for 'I agree to terms and conditions'.
- Submit:** A purple button at the bottom.

The browser's taskbar at the bottom shows various application icons and the system clock indicating 06:05 PM on 16-04-2022.

## Adding some information :

Account Registration Form

[Account Information](#)

Account type :

[Personal Information](#)

The information given in this section is considered as the information of the primary account owner information.

Attach photograph :  No file chosen

Name

@ Unnat Mistry

Phone Number

+91 12345678

Email

Unnatgmail.com

Please include an '@' in the email address. 'Unnatgmail.com' is missing an '@'.

Aadhar Number

123987s

Marital Status

Married ☐ Not-married ☐

Permanent Address

# Street Address 2 City State Pincode

Attach signature :  No file chosen

By signing this form, I acknowledge that the information I've given in this form is accurate and I agree all the terms and conditions.

☐ I agree to terms and conditions

Submit

## On submitting :

Account Registration Form

\* is required

[Account Information](#)

Account type :

[Personal Information](#)

The information given in this section is considered as the information of the primary account owner information.

Attach photograph :  No file chosen \*

Name

Surname Only letters are allowed Unnat Kamlesh

Phone Number

+91 Phone Number \*

Email

Unnat@gmail.com

Date of Birth

dd-mm-yyyy You must be 18 years old

Aadhar Number

123987s Invalid Aadhar Number

Marital Status

Married ☐ Not-married ☐ \*

Permanent Address

Street Address 1 Street Address 2 City State Pincode \*

Only letters, numbers, ',' and '/' are allowed in street address

Attach signature :  No file chosen \*

By signing this form, I acknowledge that the information I've given in this form is accurate and I agree all the terms and conditions.

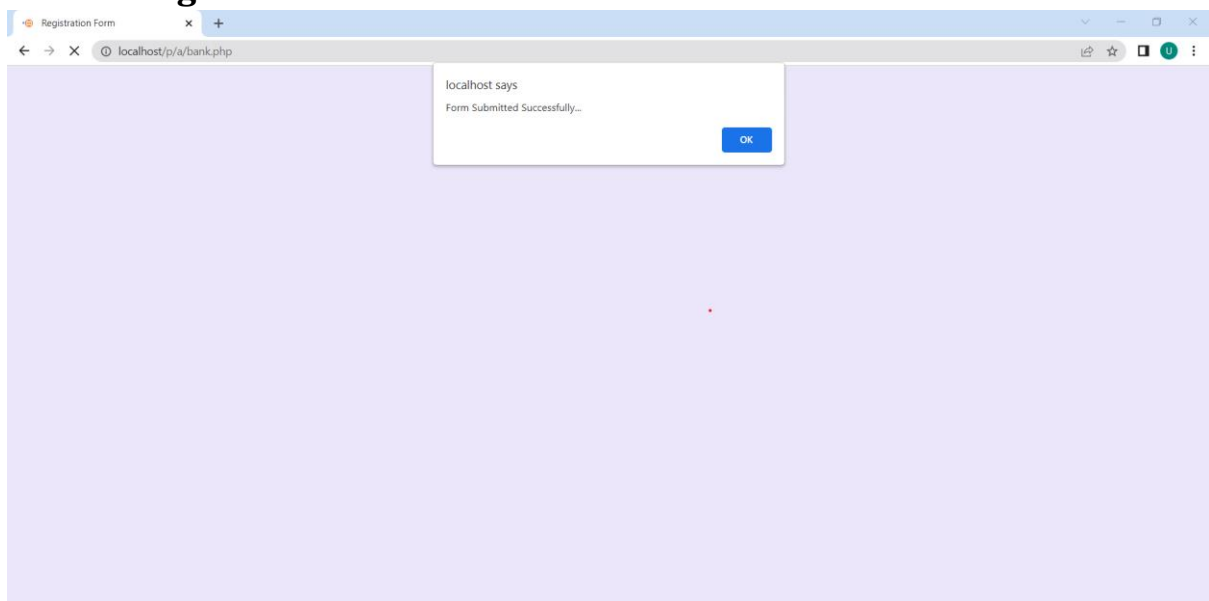
☐ I agree to terms and conditions \*

Submit

## Adding all informations:

The screenshot shows a web browser window with the address bar displaying 'localhost/p/a/bank.php'. The page title is 'Registration Form'. The main content is an 'Account Registration Form' with a purple header. The form is divided into sections: 'Account Information' with a dropdown for 'Account type' set to 'Current Account'; 'Personal Information' with a note that the information is for the primary account owner, a file upload for 'Attach photograph' (unnamed.png), and a preview of the photo; 'Name' with three text fields containing 'Mistry', 'Unnat', and 'Kamlesh'; 'Phone Number' with a '+91' prefix and a field containing '1234567890'; 'Email' with a field containing 'Unnnat@gmail.com'; 'Date of Birth' with a date picker set to '16-05-2000'; 'Aadhar Number' with a field containing '123456789012'; 'Marital Status' with radio buttons for 'Married' and 'Not-married' (selected); 'Permanent Address' with fields for 'Pragatipark', 'Street Address 2', 'Abad', 'Gujarat', and '380008'; and 'Attach signature' with a file upload (unnamed.png) and a preview. At the bottom, there is a disclaimer: 'By signing this form, I acknowledge that the information I've given in this form is accurate and I agree all the terms and conditions.' with a checked checkbox 'I agree to terms and conditions' and a 'Submit' button. The Windows taskbar at the bottom shows various application icons and the system clock indicating 07:48 PM on 16-04-2022.

## Submitting form :



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**6-B**

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**gradeReport.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>Grade Report</title>
  <style>
    .error {
      color: red;
    }

    body {
      background-color: #efecf8;
      font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
    }

    form {
      background-color: rgb(255, 255, 255);
      width: 50%;
      margin: auto auto;
      border-radius: 15px;
    }

    #form {
      padding: 50px;
      padding-right: 0%;
      padding-left: 14%;
      padding-top: 0px;
      /* border-radius: 50px; */
    }

    h1 {
      background-color: #6040b2;
      color: white;
      border-radius: 15px 15px 0px 0px;
      font-weight: lighter;
      padding: 5px;
      padding-left: 0px;
    }

    input[type=submit] {
```

```
        margin-left: 35%;
        background-color: #6040b2;
        color: white;
        border-radius: 5px;
        margin-top: 15px;
    }

    #gradeReport {
        background-color: rgb(255, 255, 255);
        width: 15%;
        padding: 0% 10%;
        margin: auto auto;
        border-radius: 0px 0px 15px 15px;
    }

    #grade_report_h2 {
        margin-top: 20px;
        background-color: #6040b2;
        color: white;
        border-radius: 15px 15px 0px 0px;
        font-weight: lighter;
        padding-left: 0px;
        width: 15%;
        padding: 5px 10%;
        margin: 15px auto;
    }

    #gradeReport table {
        margin: 10px;
    }
</style>
</head>

<body>
    <?php
// Session start
session_start();
// Set error variables and session variable
if (isset($_SESSION)) {
    $courseArr = array('THOC', 'FIVP', 'CC', 'GT', 'LAMP', 'Optional',
'Optional');
    $_SESSION['enr'] = "";
    $_SESSION['name'] = "";
    $enrErr = "";
    $nameErr = "";
    $requiredErr = "";
    for ($i = 1; $i <= 7; $i++) {
        $marks = "marks_" . $i;
```

```

        $credit = "credit_" . $i;
        $error = "error_" . $i;
        $course = "course_" . $i;
        $_SESSION[$marks] = "";
        if ($i <= 5) {
            $_SESSION[$credit] = 4;
        } else {
            $_SESSION[$credit] = "";
        }
        $$error = "";
        $_SESSION[$course] = $courseArr[$i - 1];
    }
}
$noError = true;
// After submitting the form
if ($_SERVER['REQUEST_METHOD'] == "POST" && isset($_POST['submit'])) {
    $noErrorAll = true;
    if (empty($_POST['enr'])) {
        $enrErr = "*";
        $noErrorAll = false;
    } else {
        $_SESSION['enr'] = $_POST['enr'];
    }

    if (empty($_POST['name'])) {
        $nameErr = "*";
        $noErrorAll = false;
    } else {
        $_SESSION['name'] = $_POST['name'];
    }

    for ($i = 1; $i <= 7; $i++) {
        $marks = "marks_" . $i;
        $credit = "credit_" . $i;
        $error = "error_" . $i;
        $course = "course_" . $i;
        $noError = true;
        if (empty($_POST[$course]) || empty($_POST[$credit]) ||
empty($_POST[$marks])) {
            if ($i <= 5) {
                $$error = "*";
                $noError = false;
                $noErrorAll = false;
            }
        } elseif ($_POST[$credit] < 1 || $_POST[$credit] > 6) {
            $$error = "Invalid credits";
            $noError = false;
            $noErrorAll = false;
        }
    }
}

```



```

    }
    if (!empty($_POST[$marks]) && ($_POST[$marks] < 0 || $_POST[$marks] >
100)) {
        if (empty($$error)) {
            $$error = "Invalid marks";
        } else {
            $$error = "Invalid credit and marks";
        }
        $noError = false;
        $noErrorAll = false;
    }
    if ($noError) {
        $_SESSION[$course] = $_POST[$course];
        $_SESSION[$credit] = $_POST[$credit];
        $_SESSION[$marks] = $_POST[$marks];
    } else {
        $requiredErr = "* is required";
    }
}
?>
<form action="<?php echo $_SERVER['PHP_SELF'] ?>" method="POST">
    <center>
        <h1>Student Grade Report</h1>
    </center>
    <div id="form">
        <span class="error">
            <?php echo $requiredErr ?>
        </span>
        <h2>Student Details</h2>
        <label for="enr">Enr no. : </label>
        <input type="text" name="enr" id="enr" value="<?php echo
$_SESSION['enr'] ?>"><span class="error">
            <?php echo $enrErr ?>
        </span>
        <label for="name">Name : </label>
        <input type="text" name="name" id="name" value="<?php echo
$_SESSION['name'] ?>"><span class="error">
            <?php echo $nameErr ?>
        </span>
        <h2>Student Marks</h2>
        <table>
            <thead>
                <th>Course</th>
                <th>Credit</th>
                <th>Marks</th>
            </thead>
            <tbody>

```

```

        <?php
$course = array('THOC', 'FIVP', 'CC', 'GT', 'LAMP');
$index = 0;
for ($i = 1; $i <= 7; $i++) {
    $marks = "marks_" . $i;
    $credit = "credit_" . $i;
    $error = "error_" . $i;
    $course = "course_" . $i;
    if ($i == 6) {
        echo "<tr><td>Optional Subjects</td><td>Blank if no extra
course</td><td>Blank if no extra course</td></tr>";
    }
    echo '<tr><td><input type="text" value= ' . $_SESSION[$course] . ' name="'.
$course . '" placeholder="marks"></td><td><input type="number" name="credit_'
. $i . '" value= ' . $_SESSION[$credit] . '></td>
<td><input type="text" name="marks_' . $i . '" placeholder="marks" value=' .
$_SESSION[$marks] . '></td>
';
    ?>
<td class="error">
<?php echo $$error ?>
</td>
<?php
echo '</tr>';
}
?>

        </tbody>
    </table>
    <input type="submit" name="submit" value="Submit">
</form>
</div>
<?php
if (isset($_POST['submit']) && $noErrorAll) {
    echo '
<center><h2 id="grade_report_h2">Grade Report</h2></center> <div
id="gradeReport">
<b>Name : </b>' . $_SESSION['name'] . '<br><b>Enr : </b>' . $_SESSION['enr'] .
'
<table border="1">
<thead>
<th>Sr.</th>
<th>Course</th>
<th>Credit</th>
<th>Grade</th>
</thead>
<tbody>';
    $totalCredit = 0;
    $spi = 0;
    for ($i = 1; $i <= 7; $i++) {

```

```

$marks = "marks_" . $i;
$credit = "credit_" . $i;
$error = "error_" . $i;
$course = "course_" . $i;
if ($i > 5 && empty($_SESSION[$marks])) {
    break;
}
if ($_SESSION[$marks] < 40) {
    $grade = "IF";
} elseif ($_SESSION[$marks] >= 90) {
    $grade = "A+";
    $gradePoint = 10;
} elseif ($_SESSION[$marks] >= 80) {
    $grade = "A";
    $gradePoint = 9;
} elseif ($_SESSION[$marks] >= 70) {
    $grade = "B+";
    $gradePoint = 8;
} elseif ($_SESSION[$marks] >= 60) {
    $grade = "B";
    $gradePoint = 7;
} elseif ($_SESSION[$marks] >= 50) {
    $grade = "C+";
    $gradePoint = 6;
} elseif ($_SESSION[$marks] >= 40) {
    $grade = "C";
    $gradePoint = 5;
}
if ($grade == "IF") {
    $spi = "IF";
}
if ($spi != "IF") {
    $totalCredit += $_SESSION[$credit];
    $spi += ($gradePoint * $_SESSION[$credit]);
}
echo "<tr><td>" . $i . "</td><td>" . $_SESSION[$course] . "</td><td>"
. $_SESSION[$credit] . "</td><td>" . $grade . "</td></tr>";
echo "</tbody></table>";
$spi = $spi == "IF" ? "IF" : $spi / $totalCredit;
echo "<center><b>Spi : </b>" . round($spi,2) .
"</center>";
echo '</tbody></table></div>';
}
?>
</body>
</html>

```

## Screenshots:

Student Grade Report

**Student Details**

Enr no. :  Name :

**Student Marks**

Course	Credit	Marks
THOC	4	marks
FIVP	4	marks
CC	4	marks
GT	4	marks
LAMP	4	marks
Optional Subjects	Blank if no extra course	Blank if no extra course
Optional		marks
Optional		marks

## Entering invalid marks :

Student Grade Report

**Student Details**

Enr no. :  Name :

**Student Marks**

Course	Credit	Marks
THOC	0	a
FIVP	4	@#
CC	4	-5
GT	4	97
LAMP	4	marks
Optional Subjects	Blank if no extra course	Blank if no extra course
Optional		marks
Optional		marks

## On submitting :

The screenshot shows a web browser window with the URL `localhost/p/6/b/gradeReport.php`. The page title is "Student Grade Report". Below the title, there is a red asterisk and the text "\* is required". The form is divided into two sections: "Student Details" and "Student Marks".

**Student Details**

Enr no.:  Name:

**Student Marks**

Course	Credit	Marks
THOC	4	marks
FIVP	4	marks
CC	4	marks
GT	4	97
LAMP	4	marks
Optional Subjects	Blank if no extra course	Blank if no extra course
Optional		marks
Optional		marks

Validation errors are shown in red text:

- Invalid credit and marks (next to THOC)
- Invalid marks (next to FIVP)
- Invalid marks (next to CC)
- Invalid marks (next to LAMP)

A "Submit" button is located at the bottom of the form.

## Adding one more course and entering credit and marks :

The screenshot shows the same web browser window with the URL `localhost/p/6/b/gradeReport.php`. The page title is "Student Grade Report". Below the title, there is a red asterisk and the text "\* is required". The form is divided into two sections: "Student Details" and "Student Marks".

**Student Details**

Enr no.:  Name:

**Student Marks**

Course	Credit	Marks
THOC	4	98
FIVP	3	69
CC	4	89
GT	4	56
LAMP	4	75
Optional Subjects	Blank if no extra course	Blank if no extra course
AI	5	96
Optional		marks

A "Submit" button is located at the bottom of the form.

## On submitting :

The screenshot shows a web browser window with the address bar displaying 'localhost/p/t/b/gradeReport.php'. The page has a purple header with the text 'Student Grade Report'. Below the header, there are two main sections: 'Student Details' and 'Student Marks'.

**Student Details**

Enr no.:  Name:

**Student Marks**

Course	Credit	Marks
THOC	4	98
FIVP	3	69
CC	4	89
GT	4	56
LAMP	4	75
Optional Subjects	Blank if no extra course	Blank if no extra course
AI	5	96
Optional		marks

**Grade Report**

Name : Unnat  
Enr : 20BCE515

Sr.	Course	Credit	Grade
1	THOC	4	A+
2	FIVP	3	B
3	CC	4	A
4	GT	4	C+
5	LAMP	4	B+
6	AI	5	A+

Spi : 8.46

END