Aim :-

To create a simple registration form for validation

Algorithm :-

Step 1 :- Start
Step 2 :- Create a form
Step 3 :- Get input like name, ID, email, phone no, password from the users
Step 4 :- After getting input from the user set a alert
Step 5 :- Stop

Program :-

```
<! DOCTYPE html>
<html>
<head>
<title> Simple Registration Form </title>
</head>
<body>
    <form name = "form 1" action = "Validate .html"
                        method = "post">
        <table width = "500" cellpadding = "3">
        <tr>
        <d> User ID </d>
        <u>
        <input type = "text" name = "user-id" size ="12"
               required pattern = "[0-9]" + "title"= "Userid"
        </td> </tr>
        <br>
            <td> password </td>
            <td>
            <input type = "password" required midlength="7">
            </td>
            </tr>
        <tr>
        <td> Email </td>
        <td>
            <input type = "email" name = "email" required>
```

```
        </td>
        </tr>
        <td> <phone no: </td>
        <td>
            <input type= "tel" name = "phone" size= "10">
        </td>
        </tr>
        <br>
        <td> input type= "Submit" value = "submit" >
        </td>
        </tr>
        </table>
        </form>
        <script>
            function myfunct () {
                alert(" form validate successfully");
            }
        </script>
        </body>
        </html>
```

Rubrics:-

Criteria	Max mark	Mark awarded
Aim & algorithm	20	
program execution	20	
output	20	
Result	20	
viva	20	
Total	100	

Result:-

   Thus the checking form program using form method is successfully executed & verified.

Aim:-

To create a web application using MySQL and PHP.

Algorithm:-

Step 1:- Start XAMPP

Step 2:- Create a database and table

Step 3:- Create a form in HTML and assign connection with php file to retrieve data from the MySQL database.

Step 4:- View the HTML file and access the CRUD operation in the web page.

Step 5:- Retrieves data from the MySQL databases.

Program :-

Form. HTML

```html
<!DOCTYPE html>
<html>
<head>
    <title> Insert Student Data </title>
</head>
<body>
<h2> Enter Student Details </h2>
<form action = "insert.php" method = "post">
Reg.NO: <input type = "text" name = "regno" required>
<br> <br>
Name : <input type = "text" name = "sename" required>
<br><br>
Department: <input type = "text" name = "dept" required>
<br><br>
<input type = "submit" name = "action" value ="submit">
<input type = "submit" name = "action" value= "showAll">
<input type = "submit" name = "action" value="delete">
</form>
</body>
</html>
```

Insert.php

```php
<? php
$servername = "localhost";
$Username = "root";
$password = "";
$dbname = "WEB".
$conn = new mysqli($servername, $username, $password
                    $dbname);
if ($conn -> connect_error) {
    die (" Connection failed:". $conn -> connect error);
}

if ($_SERVER ["REQUEST_METHOD"] == "Post") {
    $action = $_POST ['action'];

    if ($action == 'submit') {
        $regno = $conn -> real_escape_string ($_POST ['regno']);
        $name = $conn -> real_escape_string ($_POST ['name']);
        $dept = $conn -> real_escape_string ($_POST ['dept']);
        $sql = "Insert INTO STU (regno, name, dept) values
                        ('$regno', '$name', '$dept')";
        if ($conn -> query ($sql) === TRUE) {
            echo " New record inserted successfully";
        } else {
            echo " Error:". $conn -> error;
        }
    } else if ($action == "show All") {
```

```php
        $sql = " SELECT regno, name, dept from STU";
        $result = $conn -> query ($sql);
        if ($result -> num_rows > 0) {
            echo "<h2> Student Records </h2>";
            echo " <table border = '1' cell padding = '10'>";
            echo "<tr> <th> Regno </th> <th> Name </th> <th>
                        Department </th> </tr>";
            While ($row = $result -> fetch_assoc ()) {
                echo "<tr>";
                echo "<td>". htmlspecialchars ($row ['regno']) </td>";
                echo "<td>". htmlspecialchars ($row ['name']) "</td>";
                echo "<td>". htmlspecialchars ($row ['dept']). "</td>";
                echo "</tr>";
            }
            echo "</table>";
        }
        else {
            echo " No records found ";
        }
    } elseif ($action == "Delete") {
        $regno = $conn -> real escape string ($_POST ['regno']);
        $sql = "DELETE FROM STU WHERE regno = "$regno";
        if ($conn -> query ($sql) === TRUE) {
            echo " Record deleted successfully";
        } else {
            echo " Error deleting records:". $conn -> error.
    }}} $conn -> close (); ?>
```

```php
$sql = "SELECT regno, name, dept from STU"
$result = $conn -> Query ($sql);
if ($result -> num -> rows > 0) {
echo "<h2> Student Records </h2>";
echo "<table border = '1' cell padding = '10'>";
echo "<tr> <th> Regno </th> <th> Name </th> <th>
              Department </th> </tr>";
while ($row = $result -> fetch_assoc()) {
  echo "<tr>";
  echo "<td>". html specialchars ($row ['regno']) "</td>";
  echo "<td>". html specialchars ($row ['name']) "</td>";
  echo "<td>". html specialchars ($row ['dept']). "</td>";
  echo "</tr>";
}
echo "</table>";
}
else {
  echo "No records found";
}
} elseif ($action == "Delete") {
$regno = $conn -> real escape string ($POST ['regno']);
$sql = "DELETE FROM STU WHERE regno = "$regno";
if ($conn -> query ($sql) === TRUE) {
    echo "Record deleted successfully";
} else {
echo "Error deleting records:" . $conn -> error;
}} $conn -> close(); ?>
```

Rubrics:-

Description	Max marks	Mark awarded
Aim & algorithm	20	
Program Execution	20	
Output	20	
Result	20	
Viva	20	
Total	100	

Result:-
Thus the creation of a web application using MySQL and PHP has been executed and verified successfully