**Output:**

**A white background with black text

Description automatically generatedA white background with black text

Description automatically generated**

**A screen shot of a computer

Description automatically generated**

**Figure 1:OnChange**

**A screenshot of a computer screen

Description automatically generated**

Figure ;**OnClick**

**Conclusion:**

Hence the objective of the lab was successsfully implemented.

**Code:**

<!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" />

    <style></style>

    <title>Document</title>

    <link rel="stylesheet" href="style.css">

    <script src="script.js"></script>

  </head>

  <body>

    <h1>Form validation</h1>

    <form

      action=""

      name="myform"

      onsubmit="return formvalidate()"

      method="post"

    >

      <div class="formdesign" id="fname">

        First name: <input type="text" name="fname" />

        <span class="formerror"></span>

      </div>

      <div class="formdesign" id="lname">

        Last name: <input type="text" name="lname" />

        <span class="formerror"></span>

      </div>

      <div class="formdesign" id="email">

        Email: <input type="email" name="email" />

        <span class="formerror"></span>

      </div>

      <div class="formdesign" id="pass">

        Password: <input type="password" name="pass" />

        <span class="formerror"></span>

      </div>

      <div class="formdesign" id="cpass">

        Conform Password: <input type="password" name="cpass" />

        <span class="formerror"></span>

      </div>

      <div class="formdesign" id="add">

        Address: <input type="text" name="add" />

        <span class="formerror"></span>

      </div>

      <input type="submit" value="Submit" class="btn" />

    </form>

  </body>

</html>

**The .js file is written below:**

function clearerror() {

    errors = document.getElementsByClassName("formerror");

    for (let x of errors) {

      x.innerHTML = "";

    }

  }

  function seterror(id, error) {

    element = document.getElementById(id);

    element.getElementsByClassName("formerror")[0].innerHTML = error;

  }

  function formvalidate() {

    var valreturn = true;

    clearerror();

    var fname = document.forms["myform"]["fname"].value;

    if (fname.length < 6) {

      seterror("fname", "\*\*Your first name is too short");

      valreturn = false;

    }

    if (fname.length == 0) {

      seterror("fname", "\*\*Your first name cannot be empty");

      valreturn = false;

    }

    var lname = document.forms["myform"]["lname"].value;

    if (lname.length < 6) {

      seterror("lname", "\*\*Your Last name is too short");

      valreturn = false;

    }

    if (lname.length == 0) {

      seterror("lname", "\*\*Your last name cannot be empty");

      valreturn = false;

    }

    var email = document.forms["myform"]["email"].value;

    if (email.length > 15) {

      seterror("email", "\*\*Your email lenght is too long");

      valreturn = false;

    }

    var pass = document.forms["myform"]["pass"].value;

    if (pass.length < 6) {

      seterror("pass", "\*\*Your password is too short");

      valreturn = false;

    }

    var cpass = document.forms["myform"]["cpass"].value;

    if (cpass != pass) {

      seterror("cpass", "\*\*Your password is not matching");

      valreturn = false;

    }

    var add = document.forms["myform"]["add"].value;

    if (add.length < 6) {

      seterror("add", "\*\*Your length of address is too short");

      valreturn = false;

    }

    return valreturn;

  }

**Output:**

A close up of a box

Description automatically generated

**Conclusion:**

Hence the objective of the lab was successsfully implemented.

**Output:**

A screenshot of a computer

Description automatically generated

Register page:

**Conclusion:**

Hence the objective of the lab were successsfully implemented.

**Output:**

A screenshot of a computer

Description automatically generated

**Conclusion:**

Hence the objective of the lab was successsfully implemented.