

Practical 1

AIM: Write a JavaScript program to apply validation on various fields of student registration form and validate it on validator.w3.org.

Code:

practical1.html

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
    <meta charset="utf-8" />
```

```
    <title>Register Form</title>
```

```
    <script>
```

```
function validate() {
```

```
    var validname = /^[a-zA-Z]+$/;
```

```
    var fname = document.forms["RegisterForm"]["firstname"].value;
```

```
    if(fname === "") {
```

```
        alert("First Name cannot be empty!");
```

```
        return false;
```

```
    } else if(!fname.match(validname)) {
```

```
        alert("Enter Valid First Name!")
```

```
        return false;
```

```
    }
```

```
    var lname = document.forms["RegisterForm"]["lastname"].value;
```

```
    if(lname === "") {
```

```
        alert("Last Name cannot be empty!");
```

```

        return false;
    } else if(!lname.match(validname)) {
        alert("Enter Valid Last Name")
        return false;
    }
    var fage = document.forms["RegisterForm"]["age"].value;
    if(fage === "") {
        alert("Age cannot be empty!")
        return false;
    } else if(fage < 18 && fage > 99) {
        alert("Please Enter your correct age");
        return false;
    }
    var em = document.forms["RegisterForm"]["Email"].value;
    var atpos = em.indexOf("@gmail");
    var dotpos = em.lastIndexOf(".");
    if(em === "") {
        alert("Email cannot be empty!")
        return false;
    } else if(atpos < 1 || dotpos - atpos < 2) {
        alert("Please enter correct email ID (Use @gmail.com)");
        return false;
    }
    var doyear = (new
Date(document.forms["RegisterForm"]["Date"].value)).getFullYear();
    var currentyear = (new Date()).getFullYear();

```

```

var validateyear = currentyear - dobyear;
if(fage != validateyear) {
    alert("Incorrect Date of Birth (Check your Age)");
    return false;
}
var phoneno = /^\+?([6-9]{1})?([0-9]{9})$/;
var ph = document.forms["RegisterForm"]["phone"].value;
if(ph === "") {
    alert("Phone number cannot be empty!");
    return false;
}
if(!phoneno.test(ph)) {
    alert("Please Enter a valid phone number");
    return false;
}
var addr = document.forms["RegisterForm"]["address"].value;
if(addr === "") {
    alert("Address must be filled out");
    return false;
}
}
</script>
</head>
<body>
    <form name="RegisterForm" onsubmit="return validate()" method="post">

```

```
<table>
  <tr>
    <td>
      <label>1. First Name</label>
    </td>
    <td>
      <input type="text" name="firstname" /> </td>
    </tr>
    <tr>
      <td>
        <label>2. Last Name</label>
      </td>
      <td>
        <input type="text" name="lastname" /> </td>
      </tr>
      <tr>
        <td>
          <label>3. Age</label>
        </td>
        <td>
          <input type="number" name="age" /> </td>
        </tr>
        <tr>
          <td>
            <label>4. Email </label>
```

```

        </td>
        <td>
            <input type="email" name="Email" /> </td>
    </tr>
    <tr>
        <td>
            <label>5. Date of Birth </label>
        </td>
        <td>
            <input type="date" name="Date" /> </td>
    </tr>
    <tr>
        <td>
            <label>6. Gender </label>
        </td>
        <td>
            <input type="radio" value="Male" name="gender"
checked /> Male
            <input type="radio" value="Female"
name="gender" /> Female
            <input type="radio" value="Other"
name="gender" /> Other </td>
    </tr>
    <tr>
        <td>
            <label>7. Choose your department </label>

```

```

        </td>
        <td>
            <select>
                <option value="Course">Course</option>
                <option value="BCA">BCA</option>
                <option value="BBA">BBA</option>
                <option value="B.Tech"
selected>B.Tech</option>
                <option value="MBA">MBA</option>
                <option value="MCA">MCA</option>
                <option value="M.Tech">M.Tech</option>
            </select>
        </td>
    </tr>
    <tr>
        <td>
            <label>8. Mobile Number </label>
        </td>
        <td>
            <input type="text" name="phone" /> </td>
    </tr>
    <tr>
        <td>
            <label>9. Enter Address </label>
        </td>
        <td>

```

```

                                <textarea style="background-color:yellow"
cols="80" rows="5" name="address"></textarea>

                                </td>

                                </tr>

                                <tr>

                                <td>

                                <button
type="submit">REGISTRATION</button>

                                </td>

                                <td></td>

                                </tr>

                                </table>


                                </form>

</body>

</html>

```

Output:

1. First Name	<input type="text"/>
2. Last Name	<input type="text"/>
3. Age	<input type="text"/>
4. Email	<input type="text"/>
5. Date of Birth	<input type="text" value="mm/dd/yyyy"/> 
6. Gender	<input checked="" type="radio"/> Male <input type="radio"/> Female <input type="radio"/> Other
7. Choose your department	<input type="text" value="B.Tech"/> ▼
8. Mobile Number	<input type="text"/>
9. Enter Address	<div style="background-color: yellow; height: 50px; width: 100%;"></div>

← → ↻ 🏠 File | file:///D:/CE-SEMESTER-5/WD%20[Webdesigning]/practical1.html

YouTube Gmail UtsavBalar1231/ker... UtsavBalar1231/ker... kernel/r

1. First Name

2. Last Name

3. Age

4. Email

5. Date of Birth

This page says
First Name cannot be empty!

OK

← → ↻ 🏠 File | file:///D:/CE-SEMESTER-5/WD%20[Webdesigning]/practical1.html

YouTube Gmail UtsavBalar1231/ker... UtsavBalar1231/ker... kernel/r

1. First Name

2. Last Name

3. Age

4. Email

5. Date of Birth

6. Gender ☒ Male ☐ Female ☐ Other

This page says
Enter Valid First Name!

OK

← → ↻ 🏠 File | file:///D:/CE-SEMESTER-5/WD%20[Webdesigning]/practical1.html

YouTube Gmail UtsavBalar1231/ker... UtsavBalar1231/ker... kernel/r

1. First Name

2. Last Name

3. Age

4. Email

5. Date of Birth

This page says
Age cannot be empty!

OK

2. Last Name

3. Age

4. Email

5. Date of Birth

6. Gender ☒ Male ☐ Female ☐ Other

7. Choose your department

⚠ Please include an '@' in the email address. 'abcd' is missing an '@'.

← → ↻ 🏠 File | file:///D:/CE-SEMESTER-5/WD%20[Webdesigning]/practical1.html

YouTube Gmail UtsavBalar1231/ker... UtsavBalar1231/ker... kernel/r

1. First Name

2. Last Name

3. Age

4. Email

5. Date of Birth

6. Gender ☒ Male ☐ Female ☐ Other

7. Choose your department

This page says
Incorrect Date of Birth (Check your Age)

OK

YouTube Gmail UtsavBalar1231/ker... UtsavBalar1231/ker... kernel/r

This page says
Please Enter a valid phone number
OK

1. First Name Utsav
2. Last Name Balar
3. Age 20
4. Email utsavbalar1231@gmail.coi
5. Date of Birth 11/13/2001
6. Gender ☒ Male ☐ Female ☐ Other
7. Choose your department B.Tech
8. Mobile Number abdc

YouTube Gmail UtsavBalar1231/ker... UtsavBalar1231/ker... kernel/r

This page says
Please Enter a valid phone number
OK

1. First Name Utsav
2. Last Name Balar
3. Age 20
4. Email utsavbalar1231@gmail.coi
5. Date of Birth 11/13/2001
6. Gender ☒ Male ☐ Female ☐ Other
7. Choose your department B.Tech
8. Mobile Number 00000000

practical 1 nu Showing results for contents of : Register Form

https://validator.w3.org/nu/#textarea

Nu Html Checker

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

Showing results for contents of text-input area

Checker Input

Show ☒ source ☐ outline ☐ image report Options...

Check by ☐ css

```
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  <title>Register Form</title>
  <script>
    function validate() {
      var validname = /^[a-zA-Z]*$/;
      var fname = document.forms["RegisterForm"]["firstname"].value;
      if (fname == "") {
        alert("First Name cannot be empty!");
        return false;
      } else if (!fname.match(validname)) {
        alert("Enter Valid First Name!");
      }
    }
  </script>

```

Check

Use the Message Filtering button below to hide/show particular messages, and to see total counts of errors and warnings.

Message Filtering

Document checking completed. No errors or warnings to show.

Source

```
1. <!DOCTYPE html>
```