**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 dobyear = (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:**

















