Ex. No. 10   **Form validation**

Create a form with text fields such as username, mail id, password, retype password, gender (radio), languages known (check box), Describe yourself (textarea), submit button and perform form validation such as username must not be less than 8 characters, mail id should contain @ symbol, password and retype password must be the same. (Forms & Form validation)

AIM:

To develop a javascript program to validate a form containing fields such as username, mail id, password, retype password, gender (radio), languages known (check box), Describe yourself (textarea) and submit button.

PROGRAM:

```
<!DOCTYPE html>
<html>
<head>
   <title>Registration Form</title>
   <style>
      .error {
         color: red;
      }
   </style>
</head>
<body>
   <h2>Registration Form</h2>
   <form action='val.html' method='get' onsubmit="return formValidate()">
      <label for="username">Username:</label>
      <input type="text" id="username" name="username" required>
      <span id="usernameError" class="error"></span>
      <br><br>
      <label for="email">Email ID:</label>
      <input type="email" id="email" name="email" required>
      <span id="emailError" class="error"></span>
      <br><br>
      <label for="password">Password:</label>
      <input type="password" id="password" name="password" required>
      <br><br>
```

```html
<label for="confirmPassword">Retype Password:</label>
<input type="password" id="confirmPassword" name="confirmPassword">
<span id="passwordError" class="error"></span>
<br><br>
<label>Gender:</label>
<input type="radio" id="male" name="gender" value="Male" required> Male
<input type="radio" id="female" name="gender" value="Female" required> Female
<br><br>
<label>Languages Known:</label>
<input type="checkbox" id="english" name="languages" value="English"> English
<input type="checkbox" id="spanish" name="languages" value="Spanish">
Spanish
<input type="checkbox" id="french" name="languages" value="French"> French
<br><br>
<label for="description">Describe Yourself:</label><br>
<textarea id="description" name="description" rows="4" cols="50"></textarea>
<br><br>
<input type="submit" value="Submit">
</form>
<script>
function formValidate(){
    const username = document.getElementById('username').value;
    const usernameError = document.getElementById('usernameError');
    const email = document.getElementById('email').value;
    const emailError = document.getElementById('emailError');
    const password = document.getElementById('password').value;
    const confirmPassword = document.getElementById('confirmPassword').value;
    const passwordError = document.getElementById('passwordError');
    if (username.length < 8) {
      usernameError.innerHTML = 'Username must be at least 8 characters long.';
        return false;
    }
      else
        usernameError.innerHTML = ' ';
    if (!email.includes('@')) {
      emailError.innerHTML = 'Email ID must contain @ symbol.';
        return false;
    }
      else
        emailError.innerHTML = ' ';
```

```
        if (password !== confirmPassword) {
            passwordError.innerHTML = 'Passwords do not match.';
                return false;
        }
          else
                passwordError.innerHTML = ' ';
    }
    </script>
    </body>
</html>
```

val.html

```
<script>
document.write('<h2>Form submitted successfully </h2>');
</script>
```

RESULT:

Thus the javascript program to perform form validation has been developed and executed successfully.