

## UID EX 9

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### AIM:

The aim is to design input forms that validate data, such as email and phone number, and display error messages using HTML/CSS and JavaScript with Validator.js

### PROCEDURE:

#### Step 1:

Setting Up the HTML Form Start by creating an HTML form with input fields for the email and phone number.

```
<> login.html >  html
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4  <meta charset="UTF-8">
5  <meta name="viewport" content="width=device-width, initial-scale=1.0">
6  <title>Form Validation</title>
7  <link rel="stylesheet" href="style.css">
8  </head>
9  <body>
10 <div class="container">
11 <form id="myForm">
12 <label for="email">Email:</label>
13 <input type="email" id="email" name="email" required>
14 <span id="emailError" class="error"></span>
15
16
17 <label for="phone">Phone Number:</label>
18 <input type="text" id="phone" name="phone" required>
19 <span id="phoneError" class="error"></span>
20
21
22 <button type="submit">Submit</button>
23 </form>
24 </div>
25 <script
26 src="https://cdnjs.cloudflare.com/ajax/libs/validator/13.6.0/validator.min.js"></script>
27 <script src="script.js"></script>
28 </body>
29 </html>|
```

## Step 2:

Styling the Form with CSS Next, add some basic styling to make the form look nice.

```
# style.css > 🔗 .error
1  body {
2      font-family: Arial, sans-serif;
3      background-color: #f4f4f4;
4      display: flex;
5      justify-content: center;
6      align-items: center;
7      height: 100vh;
8      margin: 0;
9  }
10
11  .container {
12      background-color: white;
13      padding: 20px;
14      border-radius: 5px;
15      box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
16  }
17
18  form {
19      display: flex;
20      flex-direction: column;
21  }
22
23  label {
24      margin-bottom: 5px;
25  }
26
27  input {
28      margin-bottom: 10px;
29      padding: 10px;
30      border: 1px solid #ccc;
31      border-radius: 3px;
32  }
33
34  button {
35      padding: 10px;
36      background-color: #28a745;
37      color: white;
38      border: none;
39      border-radius: 3px;
40      cursor: pointer;
41  }
42
43  button:hover {
44      background-color: #218838;
45  }
46
47  .error {
48      color: red;
49      font-size: 0.875em;
50  }
```

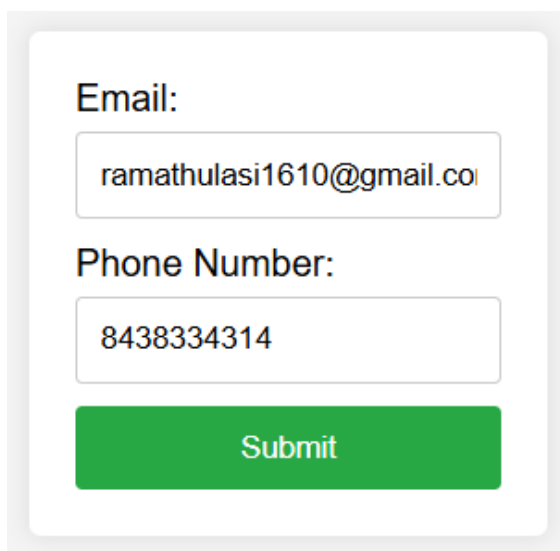
### Step 3:

Adding JavaScript for Validation Finally, add JavaScript to validate the input fields using Validator.js and display error messages

```
JS script.js > ...
1 document.getElementById('myForm').addEventListener('submit', function (e) {
2     e.preventDefault();
3     let email = document.getElementById('email').value;
4     let phone = document.getElementById('phone').value;
5     let emailError = document.getElementById('emailError');
6     let phoneError = document.getElementById('phoneError');
7     // Clear previous error messages
8     emailError.textContent = '';
9     phoneError.textContent = '';
10    // Validate email
11    if (!validator.isEmail(email)) {
12        emailError.textContent = 'Please enter a valid email address.';
13    }
14    // Validate phone number
15    if (!validator.isMobilePhone(phone, 'any')) {
16        phoneError.textContent = 'Please enter a valid phone number.';
17    }
18    // If no errors, submit the form (for demonstration purposes, we'll just log the values)
19    if (validator.isEmail(email) && validator.isMobilePhone(phone, 'any')) {
20        console.log('Email:', email);
21        console.log('Phone:', phone);
22    }
23    });
```

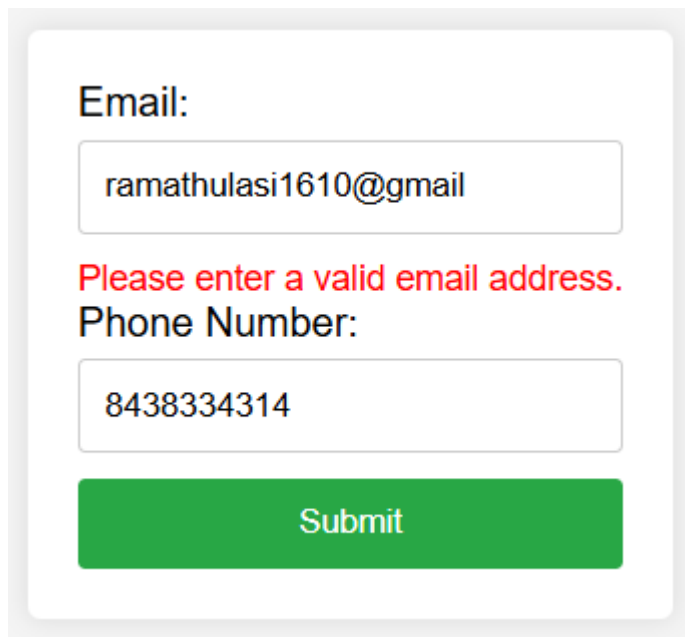
### OUTPUT

For valid email and phone no. :



The screenshot shows a web form with two input fields and a submit button. The first field is labeled 'Email:' and contains the text 'ramathulasi1610@gmail.co'. The second field is labeled 'Phone Number:' and contains the text '8438334314'. Below these fields is a green button with the text 'Submit'.

Error message for invalid email:



The form is titled "Email:" and contains a text input field with the value "ramathulasi1610@gmail". Below the input field, a red error message reads "Please enter a valid email address." The form also includes a "Phone Number:" label and a text input field with the value "8438334314". At the bottom of the form is a green "Submit" button.

Email:

ramathulasi1610@gmail

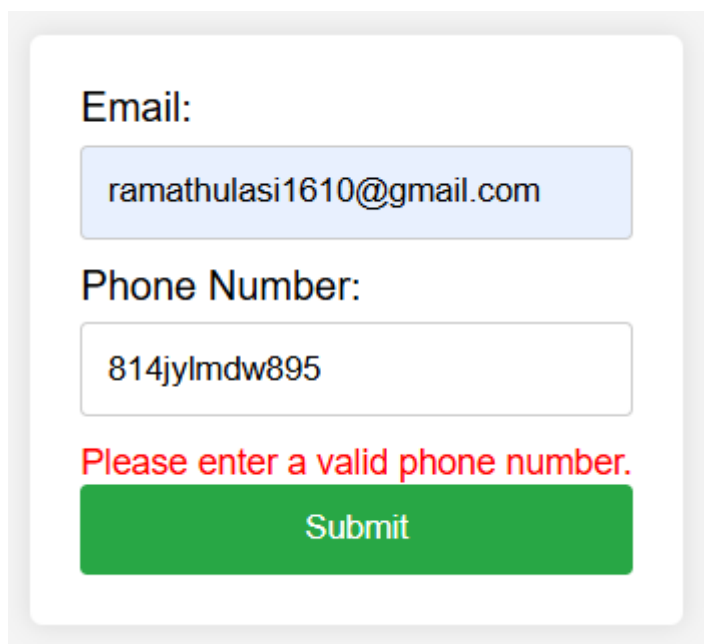
Please enter a valid email address.

Phone Number:

8438334314

Submit

Error message for invalid phone no. :



The form is titled "Email:" and contains a text input field with the value "ramathulasi1610@gmail.com". Below the input field, a red error message reads "Please enter a valid phone number." The form also includes a "Phone Number:" label and a text input field with the value "814jylmdw895". At the bottom of the form is a green "Submit" button.

Email:

ramathulasi1610@gmail.com

Phone Number:

814jylmdw895

Please enter a valid phone number.

Submit