Exercise 9 Date: 26.4.25

# Design input forms that validate data (e.g., email, phone number) and display error messages using HTML/CSS, JavaScript (with Validator.js)

### 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.

### html

# **Step 2: Styling the Form with CSS**

Next, add some basic styling to make the form look nice.

### CSS

```
/* style.css */
body {
   font-family: Arial, sans-serif;
   background-color: #f4f4f4;
   display: flex;
   justify-content: center;
   align-items: center;
   height: 100vh;
   margin: 0;
```

```
}
. container \, \{ \,
  background-color: white;
  padding: 20px;
  border-radius: 5px;
  box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
}
form {
  display: flex;
  flex-direction: column;
}
label {
  margin-bottom: 5px;
}
input {
  margin-bottom: 10px;
  padding: 10px;
  border: 1px solid #ccc;
  border-radius: 3px;
button {
  padding: 10px;
  background-color: #28a745;
  color: white;
```

```
border: none;
border-radius: 3px;
cursor: pointer;
}
button:hover {
  background-color: #218838;
}
.error {
  color: red;
  font-size: 0.875em;
}
```

## Step 3: Adding JavaScript for Validation

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

# javascript

```
/* script.js */
document.getElementById('myForm').addEventListener('submit', function (e) {
    e.preventDefault();

let email = document.getElementById('email').value;

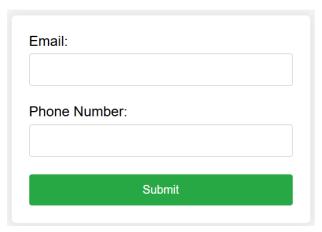
let phone = document.getElementById('phone').value;

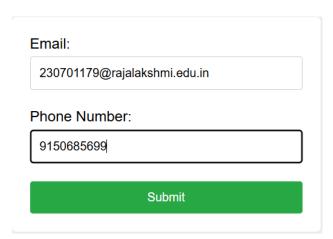
let emailError = document.getElementById('emailError');

let phoneError = document.getElementById('phoneError');
```

```
// Clear previous error messages
  emailError.textContent = ";
  phoneError.textContent = ";
  // Validate email
  if (!validator.isEmail(email)) {
     emailError.textContent = 'Please enter a valid email address.';
  }
  // Validate phone number
  if (!validator.isMobilePhone(phone, 'any')) {
     phoneError.textContent = 'Please enter a valid phone number.';
  }
  // If no errors, submit the form (for demonstration purposes, we'll just log the values)
  if (validator.isEmail(email) && validator.isMobilePhone(phone, 'any')) {
     console.log('Email:', email);
     console.log('Phone:', phone);
  }
});
```

# **OUTPUT:**





# **RESULT:**

Hence the input forms to validate data are implemented and executed using html,css and js.