

## EXERCISE 9

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**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.

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Form Validation</title>
<link rel="stylesheet" href="style.css">
</head>
<body>
<div class="container">
<form id="myForm">
<label for="email">Email:</label>
<input type="email" id="email" name="email" required>
<span id="emailError" class="error"></span>

<label for="phone">Phone Number:</label>
<input type="text" id="phone" name="phone" required>
<span id="phoneError" class="error"></span>

<button type="submit">Submit</button>
</form>
</div>
<script
src="https://cdnjs.cloudflare.com/ajax/libs/validator/13.6.0/validator.min.js"></script>
<script src="script.js"></script>
</body>
</html>
```

## Step 2:

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

```
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

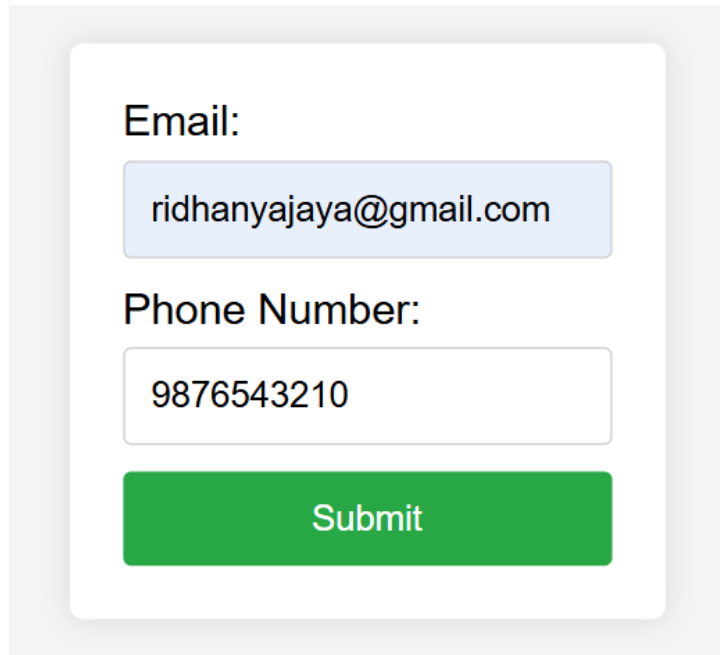
```

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);
  }
});

```

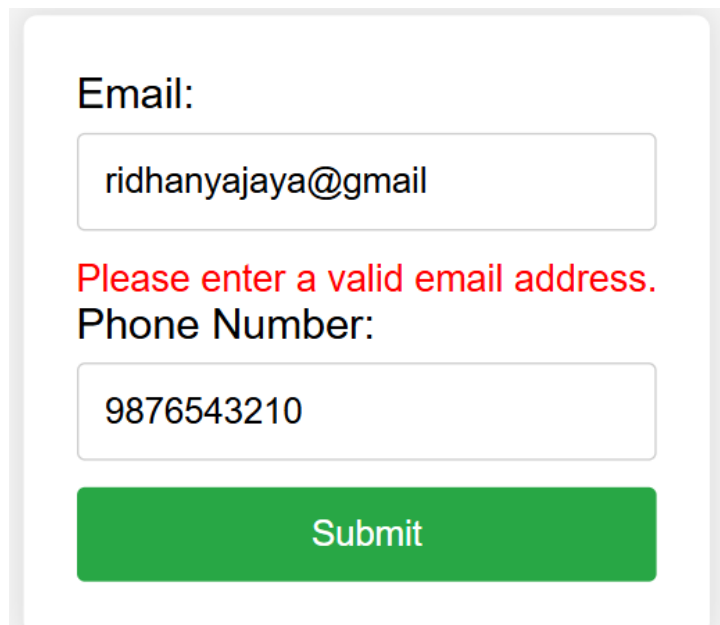
## OUTPUT :

For valid email and phone no. :



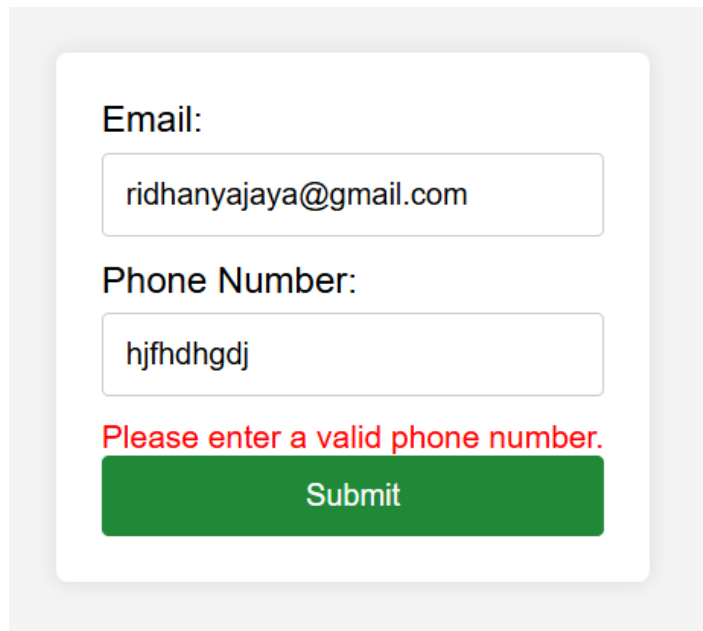
A form with a light gray background. It contains two input fields and a submit button. The first input field is labeled "Email:" and contains the text "ridhanyajaya@gmail.com". The second input field is labeled "Phone Number:" and contains the text "9876543210". Below the input fields is a green button with the text "Submit".

Error message for invalid email:



A form with a light gray background. It contains two input fields and a submit button. The first input field is labeled "Email:" and contains the text "ridhanyajaya@gmail". Below the input field is a red error message: "Please enter a valid email address." The second input field is labeled "Phone Number:" and contains the text "9876543210". Below the input fields is a green button with the text "Submit".

Error message for invalid phone no. :



The image shows a form with a light gray background. Inside the form, there is a white rounded rectangle containing the following elements:

- Email:** A label followed by a text input field containing the email address "ridhanyajaya@gmail.com".
- Phone Number:** A label followed by a text input field containing the text "hjfhdhgdj".
- Error Message:** A red text message "Please enter a valid phone number." located below the phone number input field.
- Submit Button:** A green rectangular button with the text "Submit" in white, located at the bottom of the form.