EX.NO: 9   **NAME:M.Praveenraj**

Date:21.04.2025   **REG.NO:230701396**

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

<!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>

<label for="phone">Phone Number:</label>

<input type="text" id="phone" name="phone" required>

<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.

css

```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 {
```

```css
        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 {
```
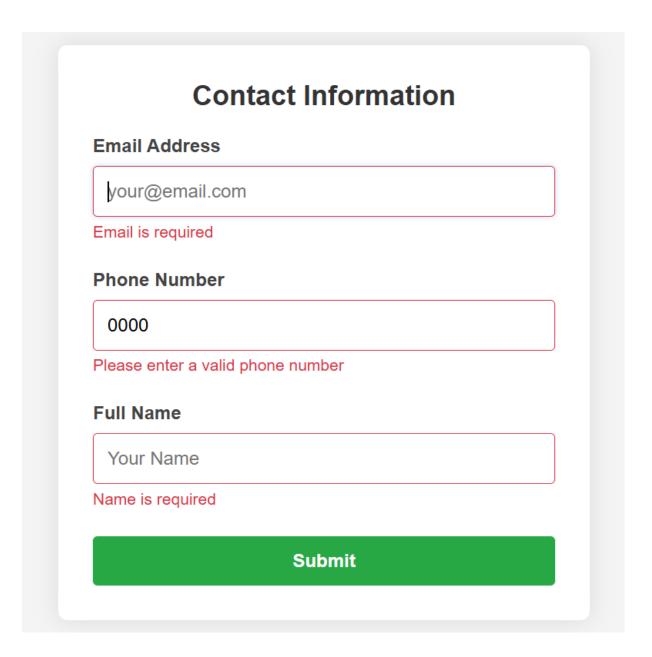
```
color: red;

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)) {
```

```javascript
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:

Contact Information

Email Address

your@email.com

Email is required

Phone Number

0000

Please enter a valid phone number

Full Name

Your Name

Name is required

Submit

RESULT:

Hence , 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 has been done successfully.