Exercise 9   **Date:**

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>

<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.

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);

}
```

```css
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);

}
```

```
});
```