EXERCISE – 9

FORM VALIDATION USING HTML/CSS/JS

Name : RAGUL.A

Register Number : 230701252

Aim:

To design an input form that validates **email** and **phone number** fields using **HTML**, **CSS**, and **JavaScript** (with **Validator.js**), and displays relevant error messages if the inputs are invalid.

Technologies Used:

- **HTML (HyperText Markup Language):**
  For creating the structure of the form.
- **CSS (Cascading Style Sheets):**
  For styling the layout and enhancing the visual appearance of the form.
- **JavaScript:**
  For adding interactivity and implementing the validation logic.
- **Validator.js:**
  A JavaScript library used to validate string inputs such as email and phone numbers.

HTML code:

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```html
<title>Form Validation</title>
<link rel="stylesheet" href="uid.css">
</head>
<body>
<div class="container">
    <h4> Input from RAGUL A</h4>
<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="uid.js"></script>
</body>
</html>
```

CSS code:

```css
body {
    font-family: Arial, sans-serif;
    background-color: #41dc4e;
    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;
}
```

JavaScript Code:

```javascript
document.getElementById('myForm').addEventListener('submit', function (e) {
    e.preventDefault();
```

```javascript
    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:

Input from RAGUL A

Email:

Phone Number:

Submit

This can be run in any server.

Inputs:

Email Validation: