# EXERCISE – 9

# FORM VALIDATION USING HTML/CSS/JS

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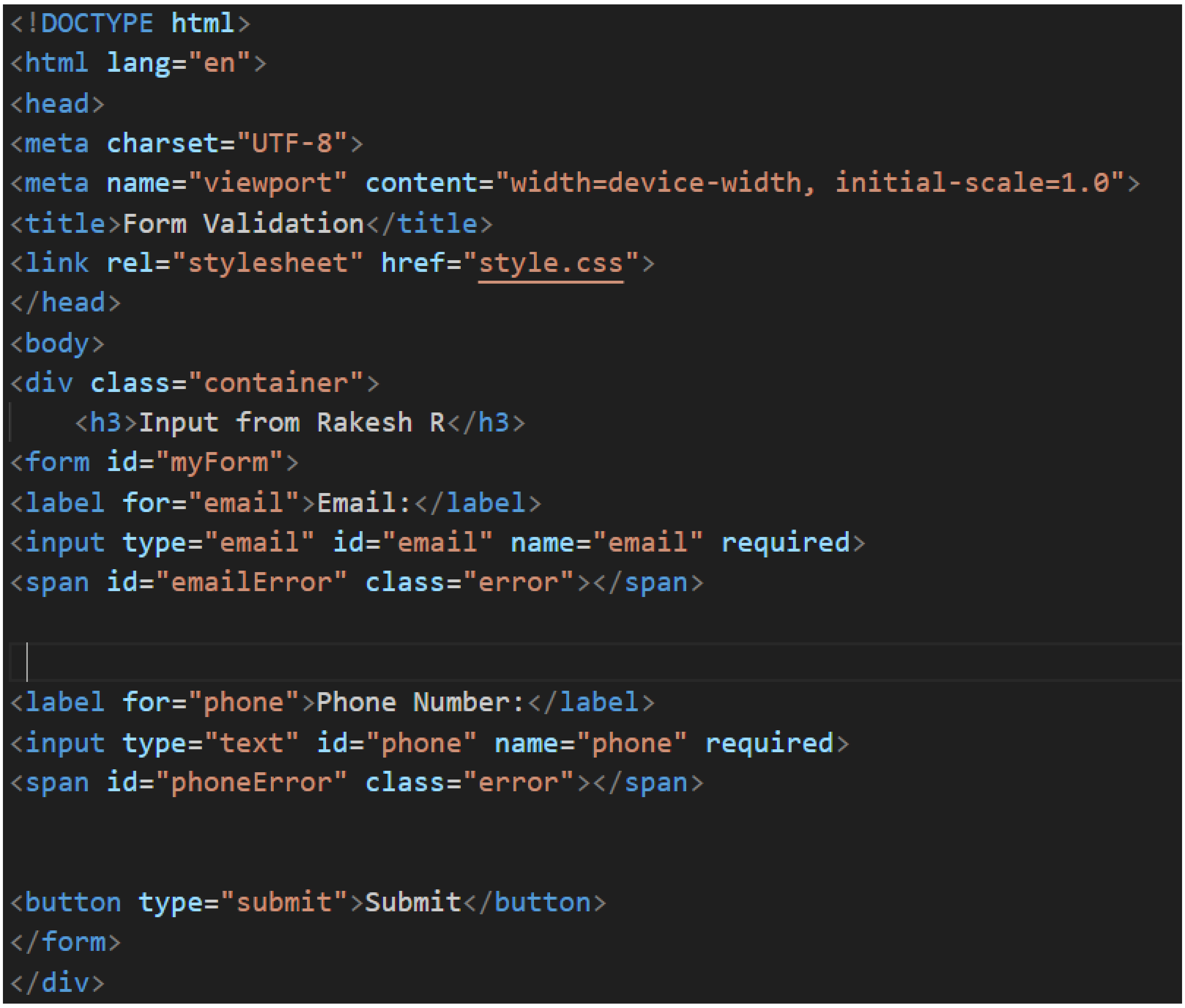
**Aim:**

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.

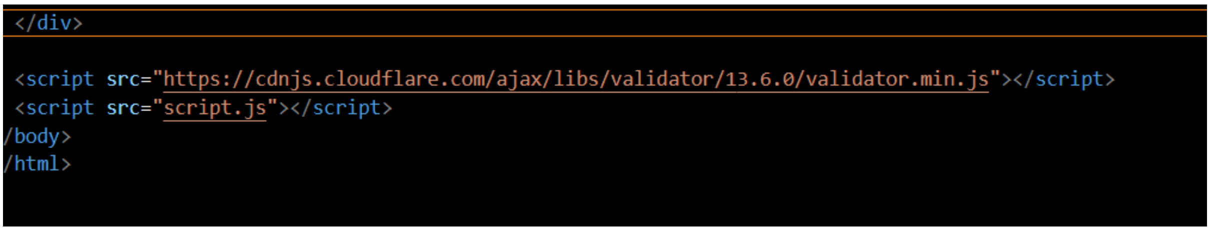
**Technologies Used:**

- **HTML** – HyperText Markup Language (structure of the form)
- **CSS** – Cascading Style Sheets (styling the layout)
- **JavaScript** – Adding interactivity and validation logic
- **Validator.js** – A JavaScript library for string validations

**Html code**:

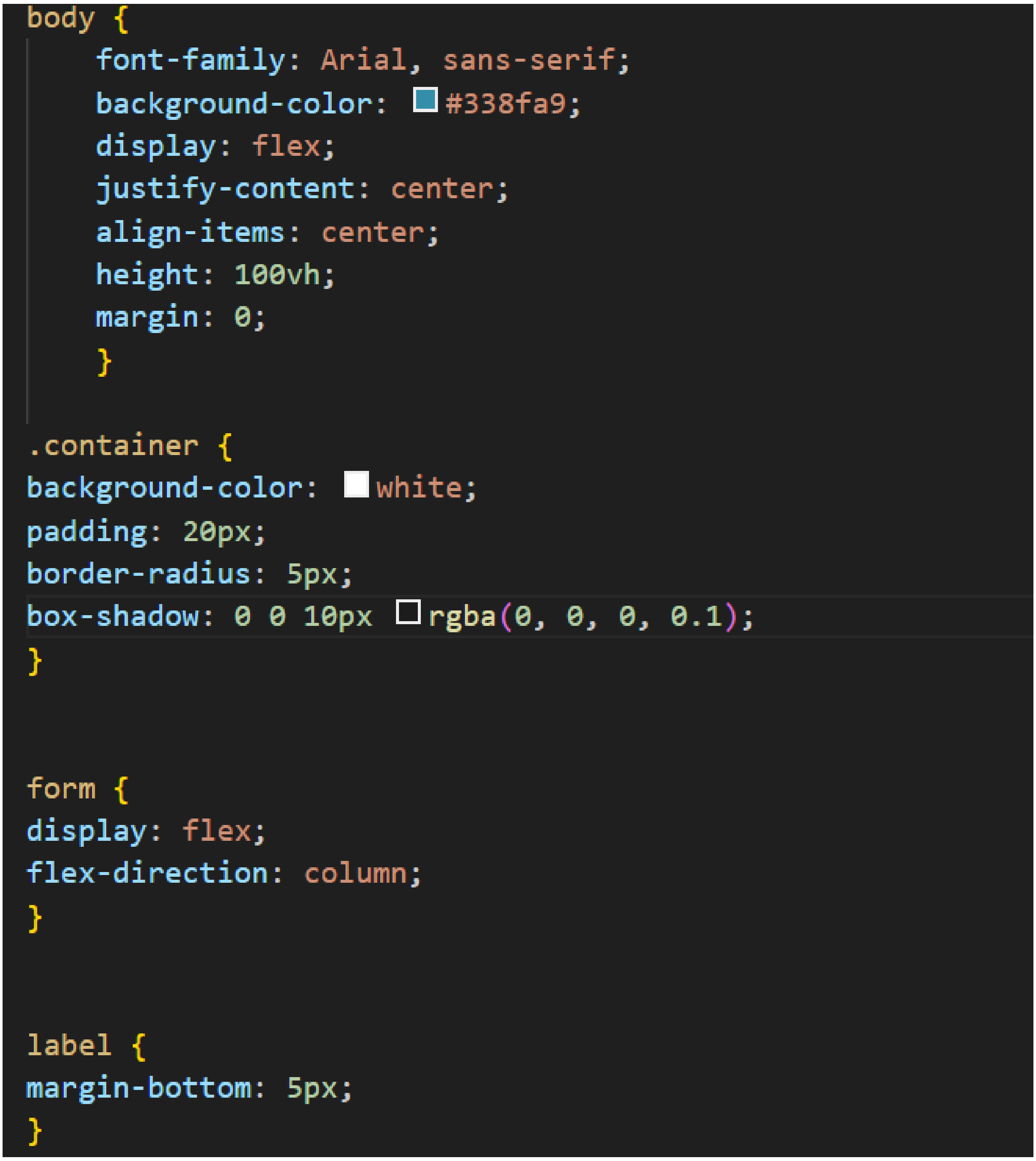


```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Form Validation</title>
<link rel="stylesheet" href="style.css">
</head>
<body>
<div class="container">
    <h3>Input from Rakesh R</h3>
<form id="myForm">
<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>
```

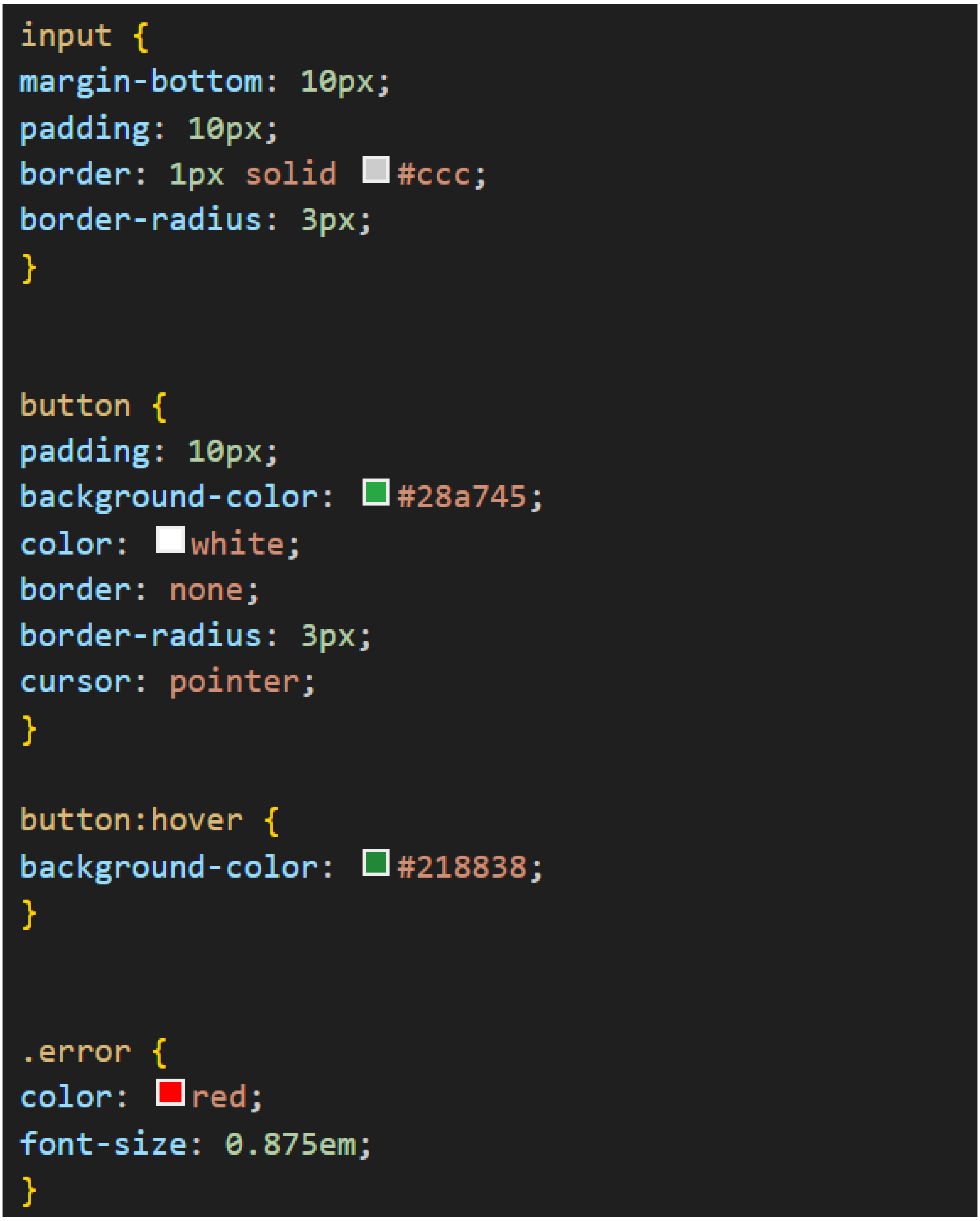


```
 </div>

 <script src="https://cdnjs.cloudflare.com/ajax/libs/validator/13.6.0/validator.min.js"></script>
 <script src="script.js"></script>
/body>
/html>
```

Css code:

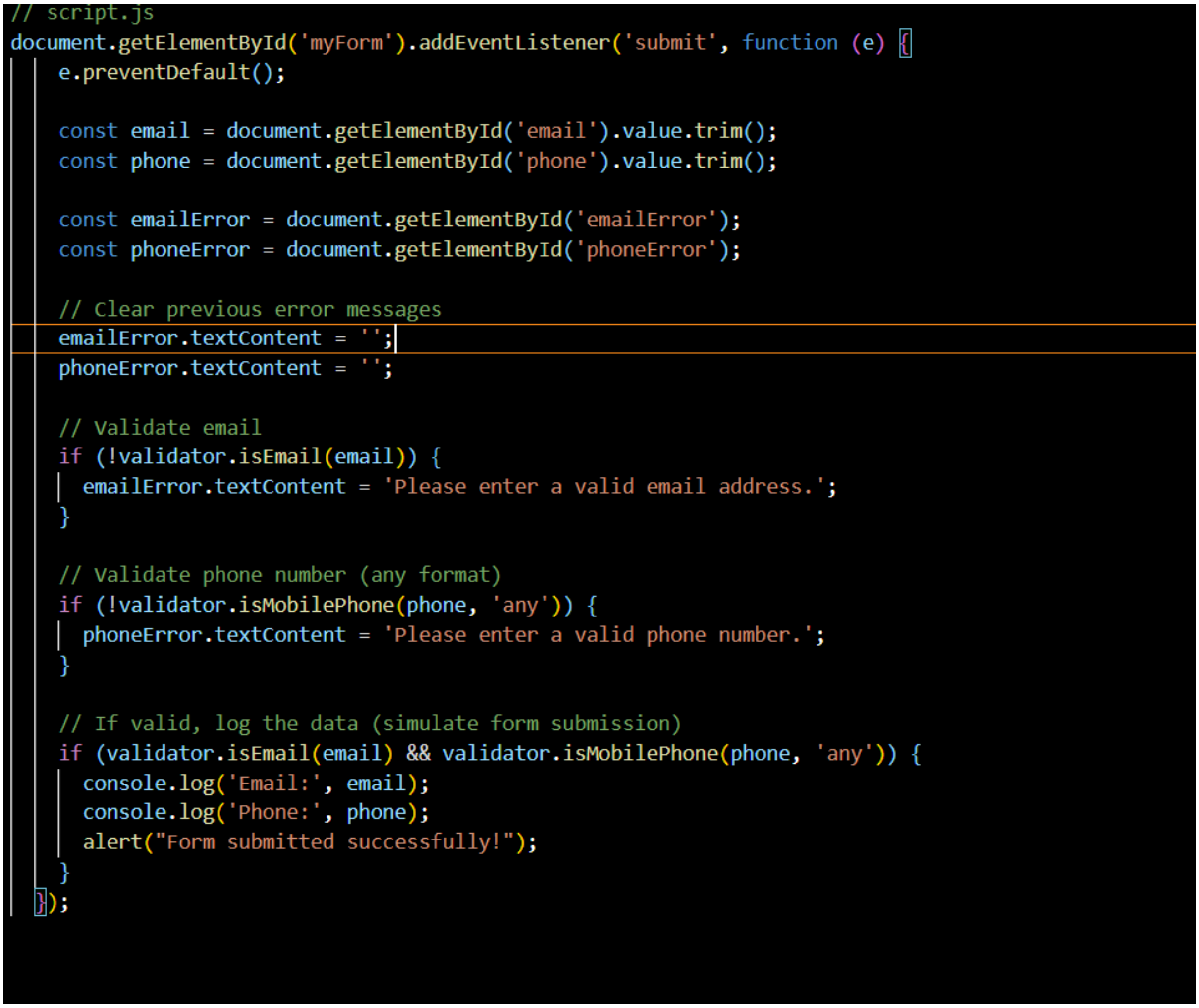


```css
body {
    font-family: Arial, sans-serif;
    background-color: #338fa9;
    display: flex;
    justify-content: center;
    align-items: center;
    height: 100vh;
    margin: 0;
    }

.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;
}
```



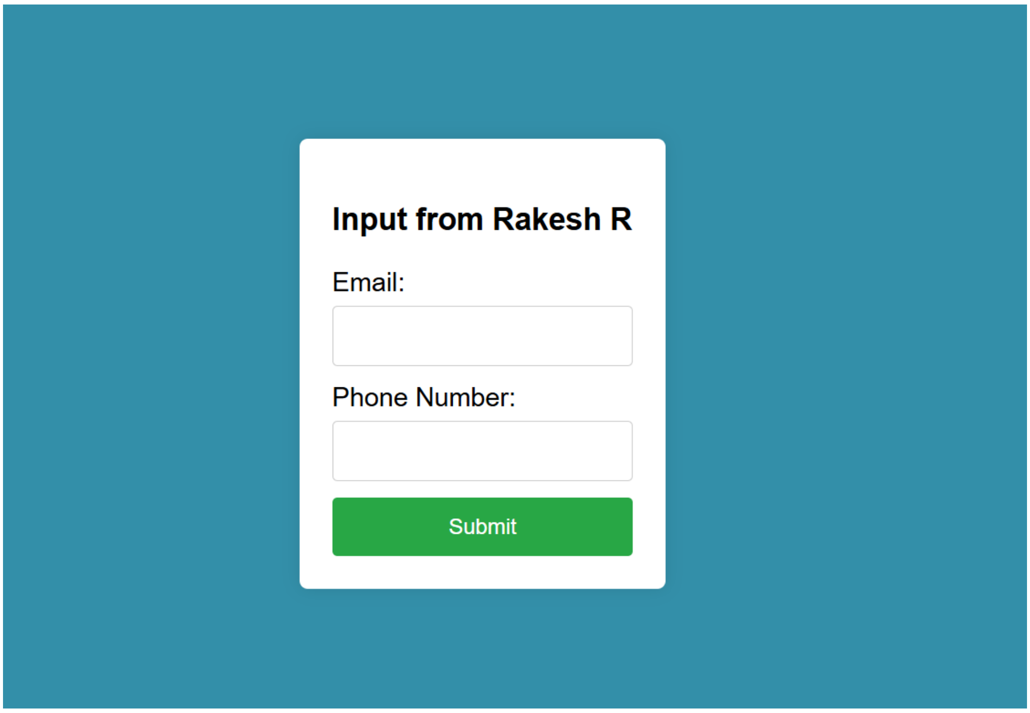
```
input {
margin-bottom: 10px;
padding: 10px;
border: 1px solid #ccc;
border-radius: 3px;
}


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;
}
```

Js code:



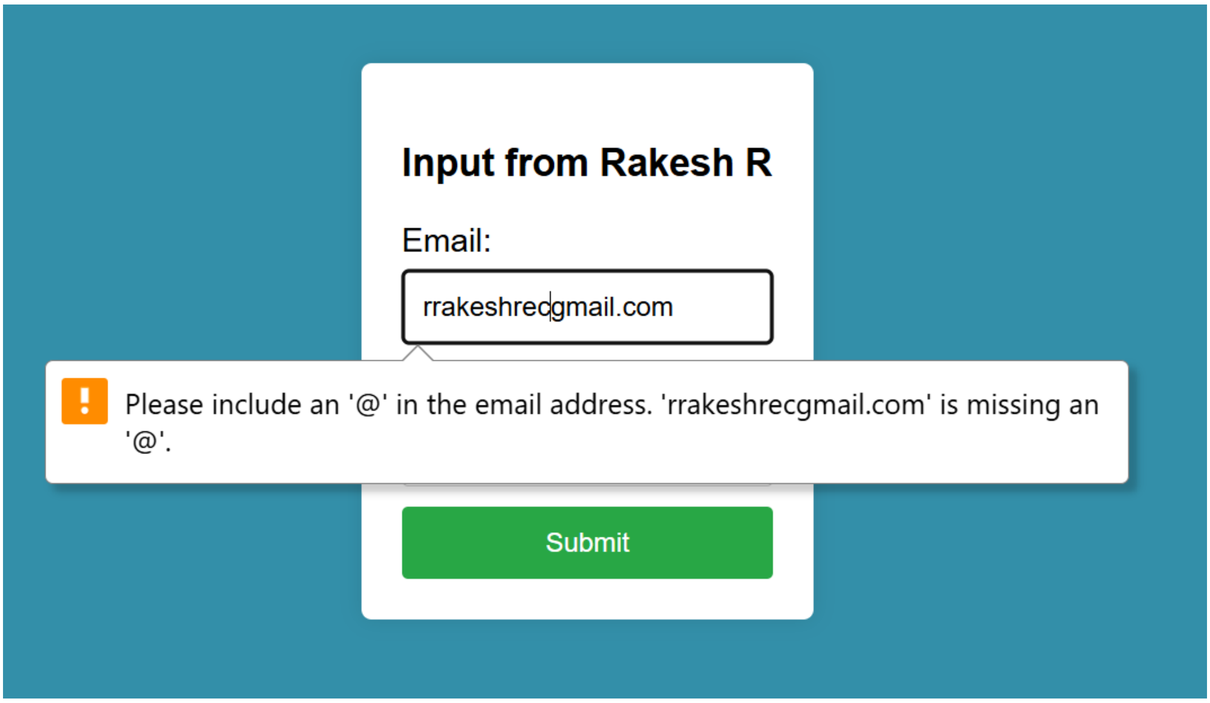
```javascript
// script.js
document.getElementById('myForm').addEventListener('submit', function (e) {
    e.preventDefault();

    const email = document.getElementById('email').value.trim();
    const phone = document.getElementById('phone').value.trim();

    const emailError = document.getElementById('emailError');
    const 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 (any format)
    if (!validator.isMobilePhone(phone, 'any')) {
      phoneError.textContent = 'Please enter a valid phone number.';
    }

    // If valid, log the data (simulate form submission)
    if (validator.isEmail(email) && validator.isMobilePhone(phone, 'any')) {
      console.log('Email:', email);
      console.log('Phone:', phone);
      alert("Form submitted successfully!");
    }
  });
```

Output:



This can be run on any server

Email validation:



Input from Rakesh R

Email:

rrakeshrecgmail.com

Please include an '@' in the email address. 'rrakeshrecgmail.com' is missing an '@'.