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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.

#### 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>
k 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
    </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);
}
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.

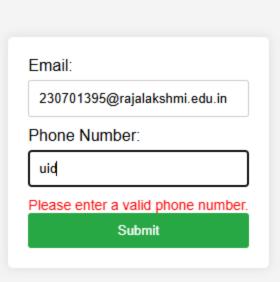
```
javascript
```

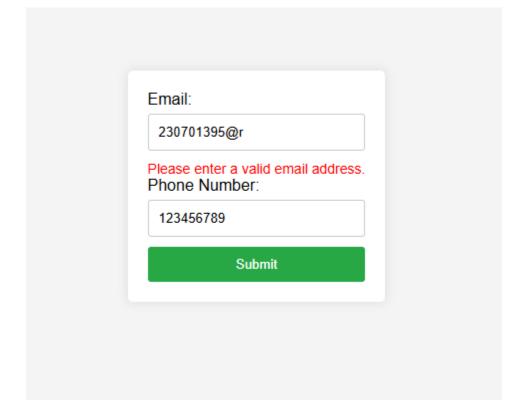
```
/* script.js */
document.getElementById('myForm').addEventListener('submit', function (e) {
    e.preventDefault();

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);
  }
});
```

### **OUTPUT:**





## **RESULT:**

Hence the required out put is verified.