Excercise 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>Validated Form</title>
link rel="stylesheet" href="styles.css" />
</head>
<body>
<div class="container">
<h2>Sign Up</h2>
<form id="myForm">
<label for="email">Email:</label>
<input type="text" id="emailError"></span>
```

```
<input type="text" id="phone" name="phone" />
   <span class="error" id="phoneError"></span>
   <button type="submit">Submit</button>
  </form>
 </div>
 <script src="https://cdn.jsdelivr.net/npm/validator@13.9.0/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:
body {
font-family: Arial, sans-serif;
 background: #f0f2f5;
display: flex;
justify-content: center;
padding-top: 50px;
}
.container {
 background: white;
```

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

```
padding: 20px 30px;
 border-radius: 8px;
 box-shadow: 0 4px 10px rgba(0, 0, 0, 0.1);
 width: 300px;
}
form {
 display: flex;
flex-direction: column;
}
label {
 margin-top: 10px;
}
input {
 padding: 8px;
 margin-top: 5px;
 border: 1px solid #ccc;
 border-radius: 4px;
}
.error {
 color: red;
 font-size: 0.9em;
 margin-top: 5px;
}
```

```
margin-top: 20px;
padding: 10px;
 background-color: #4caf50;
 border: none;
color: white;
font-weight: bold;
 border-radius: 4px;
cursor: pointer;
}
button:hover {
background-color: #45a049;
}

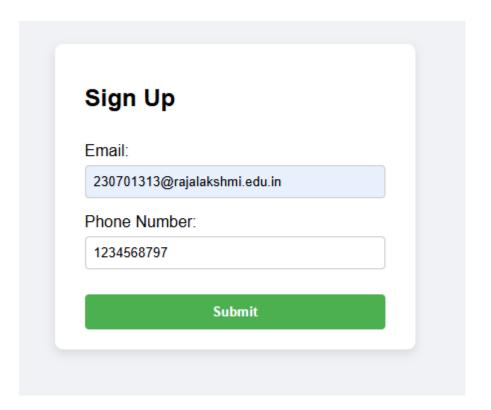
☑Step 3: Adding JavaScript for Validation

Finally, add JavaScript to validate the input fields using Validator.js and display error
messages.
JAVASCRIPT:
document.getElementById('myForm').addEventListener('submit', function (e) {
e.preventDefault();
const email = document.getElementById('email').value.trim();
 const phone = document.getElementById('phone').value.trim();
let isValid = true;
```

button {

```
// Reset errors
 document.getElementById('emailError').textContent = ";
 document.getElementById('phoneError').textContent = ";
 // Validate email
 if (!validator.isEmail(email)) {
  document.getElementById('emailError').textContent = 'Please enter a valid email.';
  isValid = false;
 }
 // Validate phone (assumes US phone format, adjust as needed)
 if (!validator.isMobilePhone(phone, 'en-US')) {
  document.getElementById('phoneError').textContent = 'Please enter a valid US phone number.';
  isValid = false;
 }
 if (isValid) {
  alert('Form submitted successfully!');
  // Here you can submit the form or send data via AJAX
 }
});
```

OUTPUT:



RESULT:

Hence the validator has been implemented by using javascript,html,css