

EXP.NO: 2 **Write JavaScript Programme to validate the
following fields of the HTML Registration page**

DATE:

06/02/2025

AIM:

To write JavaScript code to validate user input in a registration form and ensure correct, valid data before submission.

ALGORITHM:

1. Input:

The user fills in the following fields: First Name, Password, E-mail, Mobile Number, Last Name, and Address.

2. Validation Steps:

1. Validate First Name:

- Check if the first name contains only alphabets.
- Ensure the length of the First Name is at least 6 characters.

If any of these conditions fail, display an error message indicating the required input.

2. Validate Password:

- Check if the password is at least 6 characters long.
- If it is less than 6 characters, display an error message.

3. Validate E-mail:

- Use a regular expression to check if the email follows the standard pattern:
name@domain.com.
- Ensure that the email contains no invalid characters and matches the required pattern.
- If it doesn't match, display an error message indicating an invalid email format.

4. Validate Mobile Number:

- Check if the mobile number contains exactly 10 digits.
- Ensure there are no alphabets or special characters.
- If the number is invalid, display an error message indicating the correct format.

5. Validate Last Name:

- Ensure the Last Name field is not empty.
- If it is empty, display an error message.

6. Validate Address:

- Ensure the Address field is not empty.
- If it is empty, display an error message.

CODE:

```
<!DOCTYPE html>

<html lang="en">
  <head>
    <meta charset="UTF-8">
    <title>RS Insurance Company Management System</title>

    <style>
      body {
        font-family: Arial, sans-serif;
        background-color: #e6f2ff;
        margin: 0;
      }

      /* Header */
      header {
        background-color: #003366;
```

```
color: white;  
text-align: center;  
padding: 20px;  
}  
  
/* Section Box */  
.section {  
background-color: white;  
width: 90%;  
margin: 20px auto;  
padding: 15px;  
border-radius: 10px;  
box-shadow: 0px 5px 10px rgba(0,0,0,0.2);  
}  
  
/* Headings */  
h2 {  
color: #003366;  
text-align: center;  
}  
  
/* Flex Layout */  
.flex {  
display: flex;  
justify-content: space-around;  
gap: 20px;  
flex-wrap: wrap;  
}
```

```
/* Map & Image */

iframe, img{
    width: 400px;
    height: 250px;
    border-radius: 10px;
    border: 2px solid gray;
}

/* Links */

a {
    color: #003366;
    font-weight: bold;
    text-decoration: none;
    display: block;
    text-align: center;
    margin: 6px;
}

/* Table */

table {
    width: 100%;
    border-collapse: collapse;
    margin-top: 10px;
}

th, td {
    border: 1px solid #003366;
    padding: 10px;
}
```

```
    text-align: center;  
}  
  
th {  
    background-color: #003366;  
    color: white;  
}  
  
tr:nth-child(even) {  
    background-color: #f2f2f2;  
}  
  
</style>
```

```
</head>
```

```
<body>
```

```
<header>  
    <h1>RS Insurance Company Management System</h1>  
    <p style="font-size:18px;">Secure Your Life, Health, and Property</p>  
</header>
```

```
<!-- Map & Company Image -->  
<div class="section">  
    <h2>Company Location & Hotspot</h2>
```

```
<div class="flex">
```

```
<!-- Google Map -->
```

```
<iframe
```

```

src="https://www.google.com/maps?q=Chennai+India&output=embed">
</iframe>

<!-- Insurance Company Image with Hotspot --&gt;

&lt;img src="https://cdn-icons-png.flaticon.com/512/2920/2920244.png"
usemap="#insurancemap"&gt;

&lt;map name="insurancemap"&gt;
  &lt;area shape="rect" coords="0,0,200,250"
    href="https://www.licindia.in" target="_blank"&gt;
  &lt;area shape="rect" coords="200,0,400,250"
    href="https://www.starhealth.in" target="_blank"&gt;
&lt;/map&gt;

&lt;/div&gt;
&lt;/div&gt;

<!-- Insurance Data Table --&gt;

&lt;div class="section"&gt;
  &lt;h2&gt;Insurance Policy Data&lt;/h2&gt;

  &lt;table&gt;
    &lt;tr&gt;
      &lt;th&gt;Policy ID&lt;/th&gt;
      &lt;th&gt;Customer Name&lt;/th&gt;
      &lt;th&gt;Policy Type&lt;/th&gt;
      &lt;th&gt;Premium (₹)&lt;/th&gt;
      &lt;th&gt;Status&lt;/th&gt;
    &lt;/tr&gt;
  &lt;/table&gt;
&lt;/div&gt;
</pre>

```

</tr>				
<tr>				
<td>RS101</td>				
<td>Ramesh Kumar</td>				
<td>Life Insurance</td>				
<td>12,000</td>				
<td>Active</td>				
</tr>				
<tr>				
<td>RS102</td>				
<td>Sneha Devi</td>				
<td>Health Insurance</td>				
<td>8,500</td>				
<td>Active</td>				
</tr>				
<tr>				
<td>RS103</td>				
<td>Arjun Singh</td>				
<td>Vehicle Insurance</td>				
<td>6,200</td>				
<td>Expired</td>				
</tr>				
<tr>				
<td>RS104</td>				
<td>Priya Sharma</td>				
<td>Home Insurance</td>				
<td>15,000</td>				
<td>Active</td>				

```
</tr>
</table>
</div>

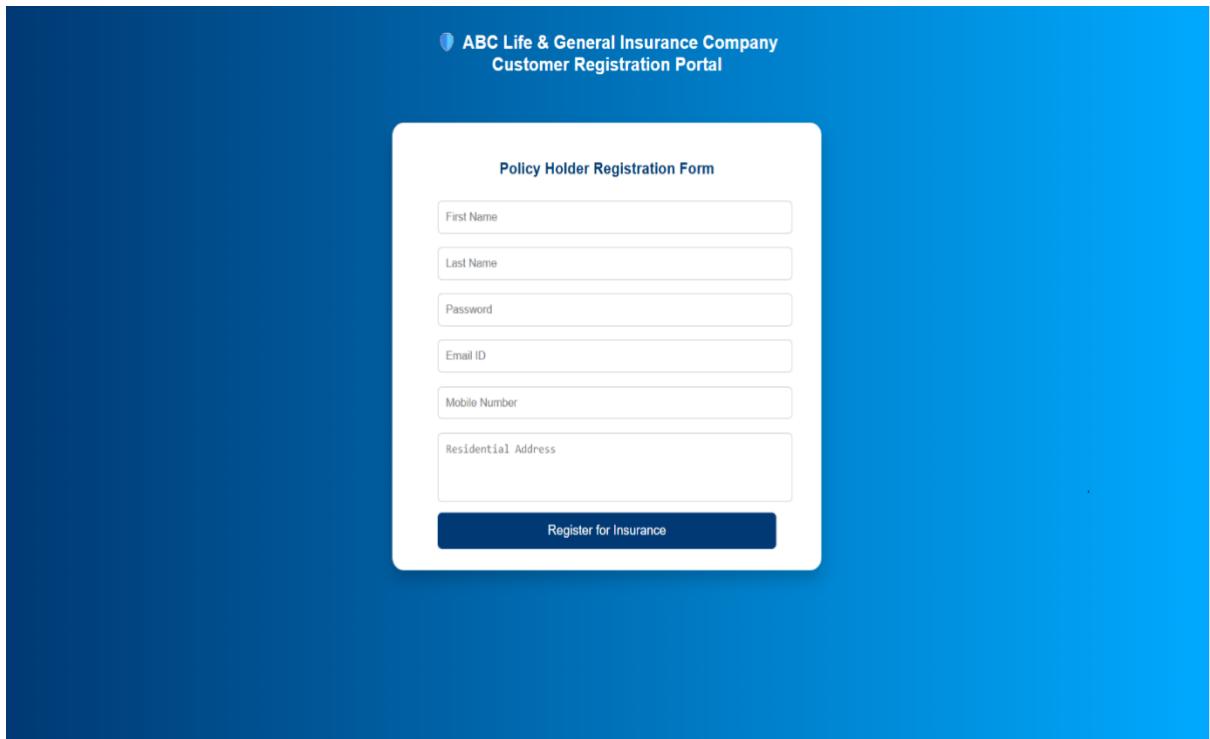
<!-- Frame & Links -->
<div class="section">
    <h2>Insurance Information & Links</h2>

    <iframe src="https://www.wikipedia.org"></iframe>

    <a href="https://www.licindia.in" target="_blank">LIC India</a>
    <a href="https://www.starhealth.in" target="_blank">Star Health Insurance</a>
    <a href="https://www.icilombard.com" target="_blank">ICICI Lombard</a>
</div>

</body>
</html>
```

OUTPUT:



RESULT:

HTML page with Form is created and is validated using Javascript