

**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 -->



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

</div>
</div>
```

```
<!-- Insurance Data Table -->
<div class="section">
  <h2>Insurance Policy Data</h2>

  <table>
    <tr>
      <th>Policy ID</th>
      <th>Customer Name</th>
      <th>Policy Type</th>
      <th>Premium (₹)</th>
      <th>Status</th>
```

</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.icicilombard.com" target="_blank">ICICI Lombard</a>

</div>

</body>

</html>
```

OUTPUT:

ABC Life & General Insurance Company
Customer Registration Portal

Policy Holder Registration Form

First Name

Last Name

Password

Email ID

Mobile Number

Residential Address

Register for Insurance

RESULT:

HTML page with Form is created and is validated using Javascript