

Aim: Write a java script to validate the following fields of employee on html form: email, name, mobile no ; address, salary.

Theory:

Form validation normally used to occurs at the server, after the client had entered all the necessary data and then pressed the submit button. If the data entered by a client simply missing.

Java script provides a way to validate forms data on the clients computer before sending web server.

• Basic validation: first of all, the form must be checked, to make sure all the mandatory fields are filled in.

• Data form validation: Secondary the data that is entered must be checked for correct form and value

- We are calling validate() to validate when an submit event is occurring the following

- An email address must contain at least @ sign and a dot(.) also, the '@' must not first.

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Employee Registration Form</title>
    <style>
        * {
            box-sizing: border-box;
            margin: 0;
            padding: 0;
        }

        body {
            font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
            background-color: #f5f5f5;
            color: #333;
            line-height: 1.6;
        }

        .container {
            max-width: 600px;
            margin: 40px auto;
            padding: 30px;
            background-color: white;
            border-radius: 10px;
            box-shadow: 0 0 20px rgba(0, 0, 0, 0.1);
        }

        h2 {
            text-align: center;
            color: #2c3e50;
            margin-bottom: 30px;
            font-size: 28px;
        }

        .form-group {
            margin-bottom: 25px;
        }

        label {
            display: block;
            margin-bottom: 8px;
            font-weight: 600;
            color: #2c3e50;
        }
    </style>

```

```
input {
    width: 100%;
    padding: 12px;
    border: 2px solid #ddd;
    border-radius: 6px;
    font-size: 16px;
    transition: border-color 0.3s ease;
}

input:focus {
    outline: none;
    border-color: #3498db;
    box-shadow: 0 0 5px rgba(52, 152, 219, 0.3);
}

input:invalid {
    border-color: #e74c3c;
}

.error {
    color: #e74c3c;
    font-size: 14px;
    margin-top: 5px;
    display: block;
}

button {
    width: 100%;
    background-color: #3498db;
    color: white;
    padding: 14px;
    border: none;
    border-radius: 6px;
    font-size: 16px;
    font-weight: 600;
    cursor: pointer;
    transition: background-color 0.3s ease;
}

button:hover {
    background-color: #2980b9;
}

button:active {
    transform: scale(0.98);
}
```

```
@media (max-width: 480px) {
    .container {
        margin: 20px;
        padding: 20px;
    }
}
</style>
</head>
<body>
    <div class="container">
        <h2>Employee Registration Form</h2>
        <form id="employeeForm" onsubmit="return validateForm()">
            <div class="form-group">
                <label for="name">Full Name:</label>
                <input type="text" id="name" name="name" placeholder="Enter your full name">
                <div id="nameError" class="error"></div>
            </div>

            <div class="form-group">
                <label for="email">Email:</label>
                <input type="email" id="email" name="email" placeholder="Enter your email">
                <div id="emailError" class="error"></div>
            </div>

            <div class="form-group">
                <label for="mobile">Mobile Number:</label>
                <input type="text" id="mobile" name="mobile" placeholder="Enter 10-digit mobile number">
                <div id="mobileError" class="error"></div>
            </div>

            <div class="form-group">
                <label for="address">Address:</label>
                <input type="text" id="address" name="address" placeholder="Enter your address">
                <div id="addressError" class="error"></div>
            </div>

            <div class="form-group">
                <label for="salary">Salary:</label>
                <input type="number" id="salary" name="salary" placeholder="Enter your salary">
                <div id="salaryError" class="error"></div>
            </div>

            <button type="submit">Submit</button>
        </form>
    </div>

```

```
</div>  
<script src="validation.js"></script>  
</body>  
</html>
```

Javascript:

```
function validateForm() {  
  
    document.querySelectorAll('.error').forEach(function(error) {  
        error.textContent = '';  
    });  
  
    let name = document.getElementById('name').value;  
    let email = document.getElementById('email').value;  
    let mobile = document.getElementById('mobile').value;  
    let address = document.getElementById('address').value;  
    let salary = document.getElementById('salary').value;  
  
    if (name === "") {  
        document.getElementById('nameError').textContent = 'Please enter your name';  
        return false;  
    }  
    if (email === "") {  
        document.getElementById('emailError').textContent = 'Please enter your email';  
        return false;  
    }  
    if (mobile === "") {  
        document.getElementById('mobileError').textContent = 'Please enter your mobile  
number';  
        return false;  
    }  
    if (address === "") {  
        document.getElementById('addressError').textContent = 'Please enter your address';  
        return false;  
    }  
    if (salary === "") {  
        document.getElementById('salaryError').textContent = 'Please enter your salary';  
        return false;  
    }  
}
```

```
if (mobile.length !== 10 || isNaN(mobile)) {
    document.getElementById('mobileError').textContent = 'Mobile number must be 10
digs';
    return false;
}

if (!email.includes('@') || !email.includes('.')) {
    document.getElementById('emailError').textContent = 'Please enter a valid email';
    return false;
}

if (isNaN(salary) || salary <= 0) {
    document.getElementById('salaryError').textContent = 'Please enter a valid salary';
    return false;
}

alert('Form submitted successfully!');
return true;
}
```

Employee Registration Form

Full Name:

Enter your full name

Email:

Enter your email

Mobile Number:

Enter 10-digit mobile number

Address:

Enter your address

Salary:

Enter your salary

Submit

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Conclusion:

The javascript validation ensures that user input
for email, name, mobile, number, address and salary
follows standard format and is not left empty.

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