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Experiment no 4 : Write a JavaScript to validate the following fields of employee on html form: email, name, mobile no., address, salary.

**Index.html**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Employee Form Validation</title>

<style> body { display: flex; justify-content: center; align-items: center; height: 100vh; background-color: #f0f0f0; font-family: Arial, sans-serif;

}

.form-container { background-color: white; padding: 20px; border-radius: 10px; box-shadow: 0 2px 10px rgba(0, 0, 0, 0.1); width: 300px;

}

input { width: 90%; padding: 10px; margin: 10px 0; border: 1px solid #ccc; border-radius: 5px;

}

button { padding: 10px; border: none; border-radius: 5px; background-color: #007bff; color: white; cursor: pointer;

width: 100%;

} button:hover { background-color: #0056b3;

}

.error { color: red; font-size: 12px;

}

</style>

</head>

<body>

<div class="form-container">

<h2>Employee Form</h2>

<form id="employeeForm" onsubmit="return validateForm()">

<input type="text" id="name" placeholder="Name" required>

<div id="nameError" class="error"></div>

<input type="email" id="email" placeholder="Email" required>

<div id="emailError" class="error"></div>

<input type="text" id="mobile" placeholder="Mobile No." required>

<div id="mobileError" class="error"></div>

<input type="text" id="address" placeholder="Address" required>

<div id="addressError" class="error"></div>

<input type="number" id="salary" placeholder="Salary" required>

<div id="salaryError" class="error"></div>

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

</form>

</div>

<script> function validateForm() {

// Clear previous error messages document.getElementById('nameError').innerText = ''; document.getElementById('emailError').innerText = ''; document.getElementById('mobileError').innerText = ''; document.getElementById('addressError').innerText = ''; document.getElementById('salaryError').innerText = '';

// Get form values const name = document.getElementById('name').value.trim(); const email = document.getElementById('email').value.trim(); const mobile = document.getElementById('mobile').value.trim(); const address = document.getElementById('address').value.trim(); const salary = document.getElementById('salary').value.trim();

let isValid = true;

// Validate Name const nameRegex = /^[A-Za-z\s]+$/; if (!nameRegex.test(name)) { document.getElementById('nameError').innerText = 'Invalid name. Only letters allowed.'; isValid = false;

}

// Validate Email const emailRegex = /^[^\s@]+@[^\s@]+\.[^\s@]+$/; if (!emailRegex.test(email)) { document.getElementById('emailError').innerText = 'Invalid email format.'; isValid = false;

}

// Validate Mobile Number const mobileRegex = /^\d{10}$/; if (!mobileRegex.test(mobile)) { document.getElementById('mobileError').innerText = 'Mobile number must be 10 digits.';

isValid = false;

}

// Validate Address if (address === '') {

document.getElementById('addressError').innerText = 'Address cannot be empty.'; isValid = false;

}

// Validate Salary const salaryValue = parseFloat(salary); if (isNaN(salaryValue) || salaryValue <= 0) { document.getElementById('salaryError').innerText = 'Salary must

be a positive number.'; isValid = false;

}

return isValid; // Prevent form submission if validation fails

}

</script>

</body>

</html>

Output:

