

VALIDATION FORM

INPUT:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8" />
  <meta name="viewport" content="width=device-width, initial-scale=1.0" />
  <title>Form Validation</title>
  <!-- Bootstrap CSS -->
  <link
    href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.
css"
    rel="stylesheet"
  />
  <style>
    body {
      background-color: #a07aa2;
    }
    .form-container {
      max-width: 600px;
      margin: 50px auto;
      background: #eec2de;
      padding: 30px;
      border-radius: 10px;
      box-shadow: 0 4px 8px rgba(0,0,0,0.1);
    }
  </style>
</head>
<body>

  <div class="form-container">
    <h2 class="text-center mb-4">Validation Form</h2>
    <form id="userForm" novalidate>
      <div class="mb-3">
        <label for="name" class="form-label">Name*</label>
        <input type="text" class="form-control" id="name" required />
      </div>
      <div class="mb-3">
        <label for="phone" class="form-label">Phone Number*</label>
        <input type="tel" class="form-control" id="phone" required />
      </div>
      <div class="mb-3">
        <label for="age" class="form-label">Age*</label>
        <input type="number" class="form-control" id="age" required min="1" />
      </div>
    </form>
  </div>
</body>
</html>
```

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</div>
<div class="mb-3">
  <label for="email" class="form-label">Email*</label>
  <input type="email" class="form-control" id="email" required />
</div>
<div class="mb-3">
  <label for="salary" class="form-label">Salary*</label>
  <input type="number" class="form-control" id="salary" required />
</div>
<div class="mb-3">
  <label for="pincode" class="form-label">Pin Code*</label>
  <input type="text" class="form-control" id="pincode" required />
</div>
<div class="mb-3">
  <label for="password" class="form-label">Password*</label>
  <input type="password" class="form-control" id="password" required />
</div>
<div class="mb-3">
  <label for="confirmPassword" class="form-label">Confirm
Password*</label>
  <input type="password" class="form-control" id="confirmPassword"
required />
</div>
  <button type="submit" class="btn btn-dark w-100">Submit</button>
</form>
</div>

<!-- Bootstrap JS -->
<script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/js/bootstrap.bundle.min
.js"></script>

<!-- Custom JavaScript -->
<script>
  document.getElementById("userForm").addEventListener("submit", function
(e) {
    e.preventDefault();

    // Get form values
    const name = document.getElementById("name").value.trim();
    const phone = document.getElementById("phone").value.trim();
    const age = parseInt(document.getElementById("age").value.trim());
    const email = document.getElementById("email").value.trim();
    const salary =
parseFloat(document.getElementById("salary").value.trim());
    const pincode = document.getElementById("pincode").value.trim();
    const password = document.getElementById("password").value;
```

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const confirmPassword =
document.getElementById("confirmPassword").value;

// Patterns
const phonePattern = /^[0-9]{10}$/;
const pinPattern = /^[0-9]{6}$/;
const emailPattern = /^[^\s@]+@[^\s@]+\.[^\s@]+$/;
const passwordPattern = /^(?=.*[a-zA-Z])(?=.*\d)[A-Za-z\d]{6,}$/;

if (!name || name.length < 2) {
  alert("Please enter a valid name (at least 2 characters).");
  return;
}

if (!phonePattern.test(phone)) {
  alert("Phone number must be 10 digits.");
  return;
}

if (isNaN(age) || age < 1 || age > 120) {
  alert("Enter a valid age (1-120).");
  return;
}

if (!emailPattern.test(email)) {
  alert("Enter a valid email address.");
  return;
}

if (isNaN(salary) || salary < 0) {
  alert("Enter a valid salary amount.");
  return;
}

if (!pinPattern.test(pincod)) {
  alert("Pin code must be 6 digits.");
  return;
}

if (!passwordPattern.test(password)) {
  alert("Password must be at least 6 characters and alphanumeric.");
  return;
}

if (password !== confirmPassword) {
  alert("Passwords do not match.");
  return;
}
```

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```
        // Success
        alert("Form submitted successfully!");
        this.reset();
    });
</script>
</body>
</html>
```

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OUTPUT:

Phone number:

A screenshot of a web browser displaying a form titled "Form Validation". The browser's address bar shows the file path "C:/Users/LENOVO/OneDrive/Documents/lee/bootstrap/js.html?". The form is set against a purple background and contains several input fields: "Phone", "Age*", "Email*", "Salary*", "Pin Code*", "Password*", and "Confirm Password*". The "Phone" field contains the text "jkgk". A white error message box is overlaid on the form, stating "This page says" and "Phone number must be 10 digits.", with a blue "OK" button. The "Submit" button is at the bottom of the form.

Email:

A screenshot of the same "Form Validation" web browser interface. In this instance, the "Email*" field contains the text "yvgyk.i". The "Phone" field now contains "98392". The error message box is updated to say "This page says" and "Enter a valid email address.", with the "OK" button. All other form elements, including the "Submit" button, remain the same.

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Salary:

A screenshot of a web browser displaying a form titled "Form Validation". The browser's address bar shows the file path "C:/Users/LENOVO/OneDrive/Documents/lee/bootstrap/js.html?". The form contains several input fields: "Phone" (98392), "Age" (23), "Email" (leema@gmail.com), "Salary" (e), "Pin Code" (lkjlk09ljnk), "Password" (****), and "Confirm Password" (*****). A "Submit" button is at the bottom. A validation error message is displayed in a white box with a blue "OK" button: "This page says: Enter a valid salary amount." The "Salary" field is highlighted with a light blue border.

Pin code :

A screenshot of the same web browser and form as above. In this instance, the "Salary" field contains the value "2090". The validation error message now reads: "This page says: Pin code must be 6 digits." The "Pin Code" field, which contains "lkjlk09ljnk", is highlighted with a light blue border.

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Password :

A screenshot of a web browser displaying a form titled "Form Validation". The browser's address bar shows the file path "C:/Users/LENOVO/OneDrive/Documents/lee/bootstrap/js.html?". The form is set against a purple background and contains several input fields: "Phone" (98392), "Age" (23), "Email" (leema@gmail.com), "Salary" (2090), "Pin Code" (534433), "Password" (masked with dots), and "Confirm Password" (masked with dots). A "Submit" button is at the bottom. A modal dialog box is open, titled "This page says", with the message "Password must be at least 6 characters and alphanumeric." and an "OK" button.

Match conform password:

A screenshot of the same web browser and form as above. The "Password" and "Confirm Password" fields are now filled with the same masked text. The modal dialog box is open, titled "This page says", with the message "Passwords do not match." and an "OK" button.

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OUTPUT FORM:

Form Validation

C:/Users/LENOVO/OneDrive/Documents/lee/bootstrap/js.html?

Phone

98392

Age*

23

Email*

leema@gmail.com

Salary*

2090

Pin Code*

534433

Password*

Confirm Password*

Submit

This page says

Form submitted successfully!

OK