

EXPERIMENT-10

HTML CODE:

```
<!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>

  <link rel="stylesheet" href="style.css">

  <style>

    .error {

      color: red;

      font-size: 0.9em;

    }

    .container {

      max-width: 400px;

      margin: auto;

      padding: 20px;

      font-family: Arial, sans-serif;

    }

    label {

      display: block;

      margin-top: 10px;

    }

    input {
```

```
width: 100%;
padding: 8px;
margin-top: 4px;
}
button {
margin-top: 15px;
padding: 10px;
}
</style>
</head>
<body>
<div class="container">
  <form id="myForm">
    <h1>Student Report System</h1>
    <label for="name">Full Name:</label>
    <input type="text" id="name" name="name" required>
    <span id="nameError" class="error"></span>

    <label for="age">Age:</label>
    <input type="number" id="age" name="age" min="1" max="120" required>
    <span id="ageError" class="error"></span>

    <label for="email">Email:</label>
    <input type="email" id="email" name="email" required>
    <span id="emailError" class="error"></span>
```

<label for="phone">Phone Number:</label>

<input type="text" id="phone" name="phone" required>

<label for="password">Password:</label>

<input type="password" id="password" name="password" required>

<label for="confirmPassword">Confirm Password:</label>

<input type="password" id="confirmPassword" name="confirmPassword" required>

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

</form>

</div>

<script

src="https://cdnjs.cloudflare.com/ajax/libs/validator/13.6.0/validator.min.js"></script>

<script src="script.js"></script>

</body>

</html>

JS CODE:

```
document.getElementById('myForm').addEventListener('submit', function (e) {  
    e.preventDefault();
```

```
    document.querySelectorAll('.error').forEach(span => span.textContent = "");
```

```
    let isValid = true;
```

```
    const name = document.getElementById('name').value.trim();
```

```
    const age = document.getElementById('age').value.trim();
```

```
    const email = document.getElementById('email').value.trim();
```

```
    const phone = document.getElementById('phone').value.trim();
```

```
    const password = document.getElementById('password').value;
```

```
    const confirmPassword =  
    document.getElementById('confirmPassword').value;
```

```
    if (name.length < 2) {  
        document.getElementById('nameError').textContent = 'Please enter a valid  
name.';
```

```
        isValid = false;
```

```
    }
```

```
    const ageNum = Number(age);
```

```
    if (!age || isNaN(ageNum) || ageNum < 1 || ageNum > 120) {  
        document.getElementById('ageError').textContent = 'Please enter a valid  
age between 1 and 120.';
```

```
        isValid = false;
```

```
}
```

```
if (!validator.isEmail(email)) {  
    document.getElementById('emailError').textContent = 'Please enter a valid  
email address.';  
    isValid = false;  
}
```

```
if (!validator.isMobilePhone(phone, 'any')) {  
    document.getElementById('phoneError').textContent = 'Please enter a valid  
phone number.';  
    isValid = false;  
}
```

```
if (password.length < 6) {  
    document.getElementById('passwordError').textContent = 'Password must  
be at least 6 characters.';  
    isValid = false;  
}
```

```
if (password !== confirmPassword) {  
    document.getElementById('confirmPasswordError').textContent =  
'Passwords do not match.';  
    isValid = false;  
}
```

```
if (isValid) {  
    alert('Form submitted successfully!');  
  
    document.getElementById('myForm').reset();  
}  
});
```

CSS CODE:

```
body {  
    font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;  
    background: linear-gradient(135deg, #e0eafc, #cfdef3);  
    display: flex;  
    justify-content: center;  
    align-items: center;  
    height: 100vh;  
    margin: 0;  
}
```

```
.container {  
    background-color: #fff;  
    padding: 30px 40px;  
    border-radius: 12px;  
    box-shadow: 0 10px 25px rgba(0, 0, 0, 0.1);  
    width: 100%;  
    max-width: 450px;  
    transition: transform 0.3s ease;
```

```
}
```

```
.container:hover {  
  transform: scale(1.01);  
}
```

```
form {  
  display: flex;  
  flex-direction: column;  
}
```

```
label {  
  margin-bottom: 6px;  
  font-weight: 600;  
  color: #333;  
}
```

```
input {  
  margin-bottom: 15px;  
  padding: 12px;  
  border: 1px solid #ccc;  
  border-radius: 6px;  
  font-size: 1rem;  
  transition: border 0.2s;  
}
```

```
input:focus {  
  border-color: #28a745;  
  outline: none;  
  box-shadow: 0 0 5px rgba(40, 167, 69, 0.2);  
}
```

```
button {  
  padding: 12px;  
  background-color: #28a745;  
  color: white;  
  border: none;  
  border-radius: 6px;  
  cursor: pointer;  
  font-size: 1rem;  
  font-weight: bold;  
  transition: background-color 0.3s ease;  
}
```

```
button:hover {  
  background-color: #218838;  
}
```

```
.error {  
  color: #d93025;  
  font-size: 0.85em;  
  margin-top: -10px;
```



```
margin-bottom: 10px;  
transition: all 0.3s;  
}
```

OUTPUT:

Student Report System

Full Name:

Age:

Email:

Phone Number:

Password:

Confirm Password:

Submit