

Experiment 1: Student Registration Form with HTML5 Validation

Aim:

To create a student registration form using HTML5 with built-in form validation for name, email, and age fields.

Objectives:

- Design a student registration form using HTML5.
- Apply input validation using HTML5 attributes like required, pattern, and type.
- Enhance user experience with real-time validation feedback.
- Use CSS to style the form and make it visually appealing.
- Implement basic form submission behavior using JavaScript.

Software Requirements:

- Visual Studio Code / Sublime Text
- Any modern browser (Chrome/Firefox/Edge)
- Live Server Extension (for local preview)

Code Implementation:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Student Registration Form</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      padding: 20px;
    }

    h1 {
      font-size: 28px;
      font-weight: bold;
    }

    label {
      display: block;
      margin-top: 15px;
      font-size: 18px;
    }
```

```

input[type="text"],
input[type="email"],
input[type="number"] {
  width: 250px;
  padding: 8px;
  font-size: 16px;
  margin-top: 5px;
  box-sizing: border-box;
}

input[type="number"]::-webkit-inner-spin-button,
input[type="number"]::-webkit-outer-spin-button {
  opacity: 1;
}

button {
  margin-top: 20px;
  padding: 8px 15px;
  font-size: 16px;
  cursor: pointer;
}
</style>
</head>
<body>

<h1>Student Registration Form</h1>

<form>
  <label for="name">Name:</label>
  <input type="text" id="name" name="name" placeholder="Enter your full name"
required>

  <label for="email">Email:</label>
  <input type="email" id="email" name="email" placeholder="Enter your email" required>

  <label for="age">Age:</label>
  <input type="number" id="age" name="age" placeholder="Enter your age" min="10"
max="100" required>

  <br>
  <button type="submit">Register</button>
</form>

```

```
</body>  
</html>
```

Expected Output:



Student Registration Form

Name:

Email:

Age:



Student Registration Form

Name:

Email:

Age:

