# 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:



