Experiment-1

AIM: Create a student registration form with HTML5 validation for name, email, and age inputs.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Student Registration Form</title>
  <!-- Tailwind CSS -->
  <script src="https://cdn.tailwindcss.com"></script>
</head>
<body class="bg-gray-100 font-sans">
  <div class="max-w-3xl mx-auto bg-white p-8 rounded-lg shadow-lg mt-10">
    <h2 class="text-2xl font--bold text-center mb-6">Student Registration Form</h2>

    <form action="#" method="POST" class="space-y-5">
      <!-- Name -->
      <div>
        <label for="name" class="block font-medium mb-2">Full Name</label>
        <input type="text" id="name" name="name"
            class="w-full border border-gray-300 p-2 rounded-lg focus:ring-2 focus:ring-blue-400 focus:outline-none"
            placeholder="Enter your full name" required>
      </div>

      <!-- Email -->
      <div>
        <label for="email" class="block font-medium mb-2">Email Address</label>
        <input type="email" id="email" name="email"
            class="w-full border border-gray-300 p-2 rounded-lg focus:ring-2 focus:ring-blue-400 focus:outline-none"
```

```html
                placeholder="Enter your email" required>
        </div>

        <!-- Phone -->
        <div>
            <label for="phone" class="block font-medium mb-2">Phone
Number</label>
            <input type="tel" id="phone" name="phone"
                class="w-full border border-gray-300 p-2 rounded-lg
focus:ring-2 focus:ring-blue-400 focus:outline-none"
                placeholder="Enter your phone number" required>
        </div>

        <!-- Gender -->
        <div>
            <label class="block font-medium mb-2">Gender</label>
            <div class="flex items-center gap-4">
                <label class="flex items-center gap-2">
                    <input type="radio" name="gender" value="Male"
class="accent-blue-500" required> Male
                </label>
                <label class="flex items-center gap-2">
                    <input type="radio" name="gender" value="Female"
class="accent-blue-500"> Female
                </label>
            </div>
        </div>

        <!-- Course -->
        <div>
            <label for="course" class="block font-medium mb-
2">Course</label>
            <select id="course" name="course"
                class="w-full border border-gray-300 p-2 rounded-lg
focus:ring-2 focus:ring-blue-400 focus:outline-none" required>
                <option value="">Select a course</option>
                <option value="BCA">BCA</option>
                <option value="B.Tech">B.Tech</option>
                <option value="B.Sc">B.Sc</option>
                <option value="MBA">MBA</option>
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            </select>
        </div>

        <!-- Submit -->
        <div class="text-center">
          <button type="submit"
              class="bg-blue-500 text-white px-6 py-2 rounded-lg
hover:bg-blue-600 transition">
            Register
          </button>
        </div>
      </form>
    </div>
</body>
</html>
```
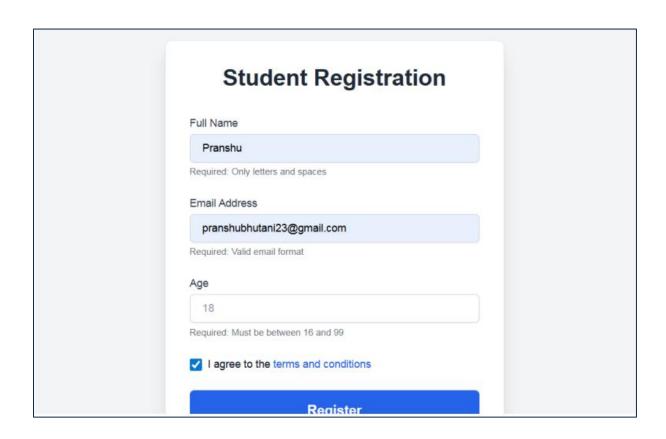

**Figure 1: Experiment 1 Student registration
Output**