Experiment -1

Aim: Student Registration Form with HTML5 Validation

Objective: Design and implement a basic student registration form that collects user information and validates inputs using HTML5 features.

Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
 <meta charset="UTF-8">
 <title>Student Registration Form</title>
 <style>
  body {
   font-family: Arial, sans-serif;
   background-color: #f2f2f2;
   padding: 40px;
  }
  .form-container {
   background-color: #fff;
   padding: 25px 30px;
   border-radius: 8px;
   max-width: 400px;
```

```css
  margin: auto;
  box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
}
h2 {
  text-align: center;
  margin-bottom: 20px;
}
label {
  display: block;
  margin-bottom: 6px;
  font-weight: bold;
}

input[type="text"],
input[type="email"],
input[type="number"] {
  width: 100%;
  padding: 10px;
  margin-bottom: 15px;
  border: 1px solid #ccc;
  border-radius: 4px;
}
input[type="submit"] {
  width: 100%;
```

```css
      background-color: #4CAF50;

      color: white;

      padding: 10px;

      border: none;

      border-radius: 4px;

      font-size: 16px;

      cursor: pointer;

    }

    input[type="submit"]:hover {

      background-color: #45a049;

    }

    .note {

      font-size: 12px;

      color: #666;

      text-align: center;

      margin-top: 10px;

    }

  </style>

</head>

<body>

  <div class="form-container">

    <h2>Student Registration</h2>

    <form action="#" method="post"

      <label for="name">Name</label>
```

```html
    <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="example@domain.com" required>

    <label for="age">Age</label>

    <input type="number" id="age" name="age" min="10" max="100" placeholder="Enter your age" required>

    <input type="submit" value="Register">

  </form>

  <div class="note">All fields are required.</div>

 </div>

</body>

</html>
```

Output: