EXPERIMENT-1.1

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- **Aim:**

  To design and implement a basic student registration form that collects user information and validates inputs using built-in HTML5 features.

- **Theory:**

  HTML5 introduces several new input types and attributes that enhance form validation without relying on JavaScript. These validations are performed in the browser and help ensure that users provide correct and complete data before submission. Common HTML5 validation features include:

  required attribute: Ensures a field is not left empty.

  type="email": Checks if the input follows a valid email format.

  type="number": Accepts only numeric input.

  min and max: Restrict number ranges.

  placeholder: Provides a visual hint of expected input.

  Using these features improves user experience and data accuracy in forms.

- **Code:**

  ## Index.html

```
<!doctype html>
<html lang="en">
 <head>
  <meta charset="UTF-8" />
  <meta name="viewport" content="width=device-width, initial-scale=1.0" />
  <title>Student Registeration Form</title>
  <link rel="stylesheet" href="styles.css" />
 </head>
 <body>
  <div class="wrapper">
```

```html
    <form action="">
      <h1>Student Registeration Form</h1>
      <br>
       <label for="Name">Enter your Name:</label><br>
       <input type="text" placeholder="Enter Name" id="Name" required><br>

       <label for="Mail">Enter your Mail Id:</label><br>
       <input type="email" placeholder="Enter Email ID" id="Mail" required><br>
       <label for="Age">Enter your Age:</label><br>
       <input type="number" placeholder="Age" id="Age" required min="10"
max="40"><br>
        <br>
       <button type="submit">Submit</button>
    </form>
   </div>
  <script src="script.js"></script>
 </body>
</html>
```
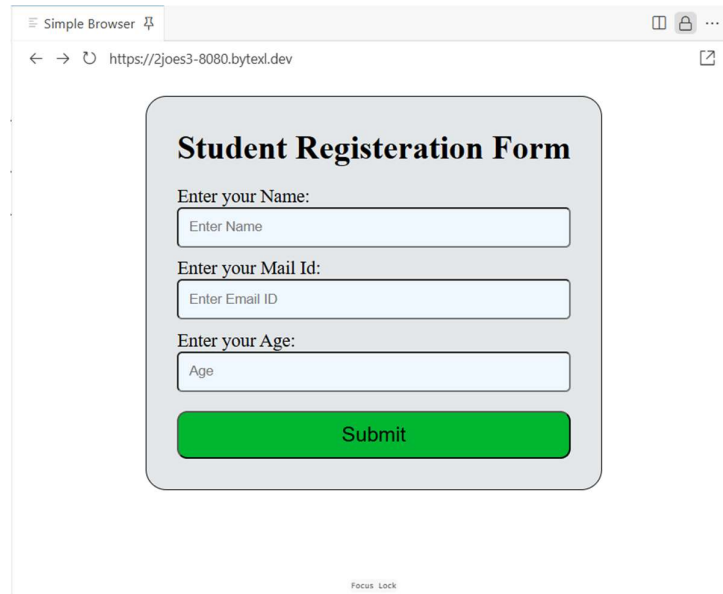
Style.css

```css
*{
    padding: 0;
    box-sizing: border-box;
    margin: 0;
}
#Name{
    width: 100%;
    border-radius: 5px;
    padding: 10px;
    margin-bottom: 10px;
    background-color: aliceblue;
}
#Mail{
    width:100%;
    margin-bottom:10px ;
    padding: 10px;
    border-radius: 5px;
    background-color: aliceblue;
}
#Age{
```

```css
        width:100%;
        padding: 10px;
        border-radius: 5px;
        background-color: aliceblue;
}
form{
        background-color: rgb(228, 231, 233);
        width: fit-content;
        margin:auto;
        border: 1px solid black;
        border-radius: 20px;
        padding:30px;
        margin-top: 20px;
}
button{
        padding: 10px;
        border-radius: 10px;
        cursor: pointer;
        width: 100%;
        background-color: rgb(1, 183, 49);
        font-size: 20px;
}
button:hover{
        background-color: rgb(4, 128, 37);
}
label{
        font-size: 18px;
}
```

- **Output:**