1.1

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

Apparatus required

Code:-

HTML

```
<!DOCTYPE html>
<html lang="en">
<head>
 <meta charset="UTF-8">
 <title>Student Registration Form</title>
 <link rel="stylesheet" href="style.css">
</head>
<body>
 <form id="student-form" action="#" method="POST">
  <h2>Student Registration</h2>
  <label for="name">Full Name:</label>
  <input type="text" id="name" name="name" placeholder="Enter your name" required
pattern="[A-Za-z\s]{3,}" title="Name should contain at least 3 letters and only alphabets.">
  <a href="email">Email Address:</label>
  <input type="email" id="email" name="email" placeholder="Enter the email" required>
  <label for="age">Age:</label>
```

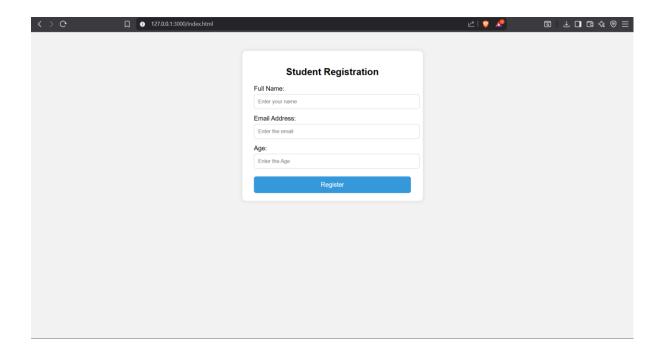
```
<input type="number" id="age" name="age" placeholder="Enter the Age" required
min="10" max="100" title="Age must be between 10 and 100.">
  <button type="submit">Register/button>
 </form>
 <script src="script.js"></script>
</body>
</html>
CSS
body {
 font-family: Arial, sans-serif;
 background: #f2f2f2;
 padding: 40px;
}
form {
 background: #fff;
 padding: 20px 30px;
 border-radius: 10px;
 max-width: 400px;
 margin: auto;
 box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
}
h2 {
 text-align: center;
}
```

label {

```
display: block;
 margin: 15px 0 5px;
}
input {
 width: 100%;
 padding: 10px;
 border: 1px solid #ccc;
 border-radius: 6px;
}
button {
 margin-top: 20px;
 width: 100%;
 padding: 12px;
 border: none;
 background: #3498db;
 color: #fff;
 font-size: 16px;
 border-radius: 6px;
 cursor: pointer;
}
button:hover {
 background: #2980b9;
}
JavaScript
document.getElementById("student-form").addEventListener("submit", function (e) {
 e.preventDefault(); // Stop actual form submission
```

```
const name = document.getElementById("name").value.trim();
 const email = document.getElementById("email").value.trim();
 const age = parseInt(document.getElementById("age").value);
 // Basic client-side validation (can be expanded)
 if (name.length < 3 \parallel !/^[A-Za-z\s]+\$/.test(name)) {
  alert("Please enter a valid name with at least 3 alphabetic characters.");
  return;
 }
 if (!email.includes("@") || !email.includes(".")) {
  alert("Please enter a valid email address.");
  return;
 }
 if (isNaN(age) || age < 10 || age > 100) {
  alert("Age must be a number between 10 and 100.");
  return;
 }
 // All validations passed
 alert("Registration successful!");
 this.reset(); // Clear the form
});
```

OUTPUT:



Link for the above page is http://127.0.0.1:3000/index.html