

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.">

    <label for="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 || !/^[A-Za-z\s]+$/i.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:

Student Registration

Full Name:

Email Address:

Age:

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