Subject - Full Stack

Name - AKASH

UID - 23BCC70039

Experiment - 1.1 : Create a student registration form with HTML5 validation for name, email, and age inputs.

Code Implementation

HTML

```
<!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>
    <link rel="stylesheet" href="style.css">
</head>
<body>

    <form>
        <h2>Student Registration</h2>

        <!-- Name -->
        <label for="name">Full Name:</label>
        <input type="text" id="name" name="name"
            pattern="[A-Za-z\s]{3,}"
            title="Name should contain at least 3 letters and only alphabets"
            required>

        <!-- Email -->
        <label for="email">Email Address:</label>
        <input type="email" id="email" name="email"
            placeholder="example@domain.com"
            required>

        <!-- Age -->
        <label for="age">Age:</label>
        <input type="number" id="age" name="age"
            min="18" max="60"
            required>

        <!-- Submit Button -->
        <button type="submit">Register</button>
```

```html
    </form>

    <script src="script.js"></script>
</body>
</html>
```

CSS

```css
body {
    font-family: Arial, sans-serif;
    background-color: #f4f4f4;
    padding: 20px;
}

form {
    background: #fff;
    padding: 20px;
    border-radius: 8px;
    max-width: 400px;
    margin: auto;
    box-shadow: 0 4px 8px rgba(0,0,0,0.1);
}

h2 {
    text-align: center;
    color: #333;
}

label {
    display: block;
    margin-top: 10px;
    font-weight: bold;
}

input {
    width: 100%;
    padding: 8px;
    margin-top: 5px;
    border: 1px solid #ccc;
    border-radius: 4px;
    font-size: 1em;
}

button {
    margin-top: 15px;
    padding: 10px;
    width: 100%;
```

```css
    background-color: #4CAF50;
    color: white;
    font-size: 1em;
    border: none;
    border-radius: 4px;
    cursor: pointer;
}

button:hover {
    background-color: #45a049;
}
```

JavaScript

```javascript
document.querySelector("form").addEventListener("submit", function(event) {
    alert("Form submitted successfully!");
});
```

Output

Student Registration

Full Name:

Akash

Email Address:

cloudcu641@gmail.com

Age:

20

Register