**DATE:** **EXPERIMENT-2**

**AIM:**

Write JavaScript to validate the following fields of the Registration page.

a) First Name (Name should contains alphabets and the length

Should not be less than 6 characters).

b) Password (Password should not be less than 6 characters length).

c) E-mail id (should not contain any invalid and must follow the standard pattern name@domain.com)

d) Mobile Number (Phone number should contain 10 digits only).

e) Last Name and Address (should not be Empty).

**CODE:**

<!**DOCTYPE** html>

<**html** lang="en">

<**head**>

    <**meta** charset="UTF-8">

    <**meta** name="viewport" content="width=device-width, initial-scale=1.0">

    <**title**>Registration Form</**title**>

    <**style**>

        body {

            font-family: 'Poppins', sans-serif;

            background: linear-gradient(to right, #00c6ff, #0072ff);

            text-align: center;

            margin: 0;

            padding: 20px;

        }

        .container {

            background: white;

            padding: 30px;

            border-radius: 15px;

            box-shadow: 0px 4px 15px rgba(0, 0, 0, 0.2);

            max-width: 450px;

            margin: auto;

            animation: fadeIn 1s ease-in-out;

        }

        @keyframes fadeIn {

            from { opacity: 0; transform: translateY(-20px); }

            to { opacity: 1; transform: translateY(0); }

        }

        h2 {

            color: #333;

            margin-bottom: 20px;

        }

        input {

            width: 100%;

            padding: 12px;

            margin: 8px 0;

            border: 1px solid #ccc;

            border-radius: 8px;

            font-size: 16px;

        }

        button {

            width: 100%;

            background-color: #007BFF;

            color: white;

            padding: 12px;

            border: none;

            border-radius: 8px;

            font-size: 18px;

            cursor: pointer;

            transition: background 0.3s;

        }

        button:hover {

            background-color: #0056b3;

        }

    </**style**>

</**head**>

<**body**>

    <**div** class="container">

        <**h2**>Register Here</**h2**>

        <**form** onsubmit="return validateForm()">

            <**input** type="text" id="firstName" placeholder="First Name">

            <**input** type="text" id="lastName" placeholder="Last Name">

            <**input** type="password" id="password" placeholder="Password">

            <**input** type="email" id="email" placeholder="Email">

            <**input** type="text" id="mobile" placeholder="Mobile Number">

            <**input** type="text" id="address" placeholder="Address">

            <**button** type="submit">Register</**button**>

        </**form**>

    </**div**>

    <**script**>

        function validateForm() {

            let firstName = document.getElementById("firstName").value;

            let lastName = document.getElementById("lastName").value;

            let password = document.getElementById("password").value;

            let email = document.getElementById("email").value;

            let mobile = document.getElementById("mobile").value;

            let address = document.getElementById("address").value;

            let emailPattern = /^[a-zA-Z0-9.\_%+-]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,}$/;

            let mobilePattern = /^[0-9]{10}$/;

            if (firstName.length < 5 || !/^[a-zA-Z]+$/.test(firstName)) {

                alert("First Name must contain only alphabets and be at least 5 characters long.");

                return false;

            }

            if (password.length < 6) {

                alert("Password must be at least 6 characters long.");

                return false;

            }

            if (!emailPattern.test(email)) {

                alert("Enter a valid email address in the format name@domain.com.");

                return false;

            }

            if (!mobilePattern.test(mobile)) {

                alert("Mobile number must contain exactly 10 digits.");

                return false;

            }

            if (lastName.trim() === "" || address.trim() === "") {

                alert("Last Name and Address cannot be empty.");

                return false;

            }

            alert("Form submitted successfully!");

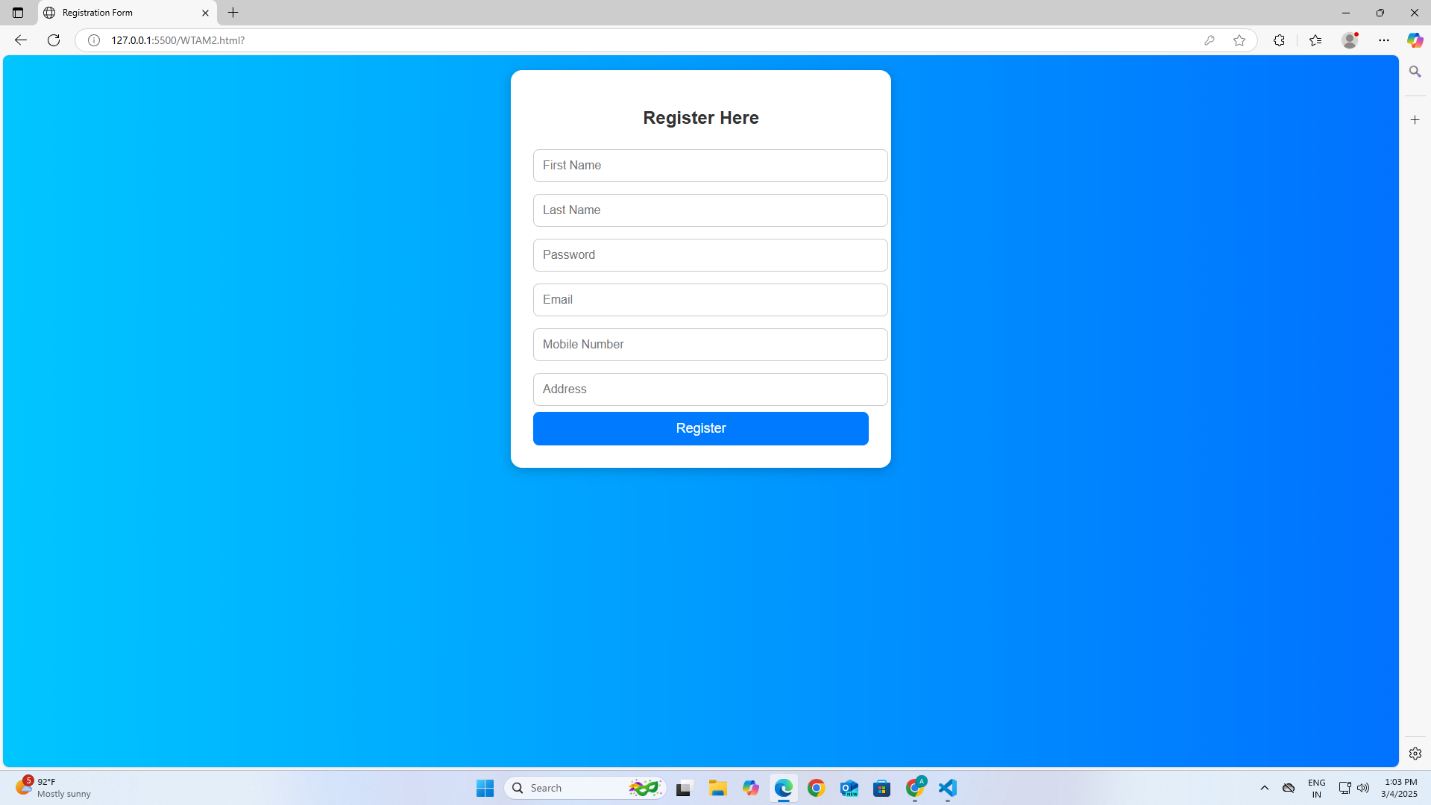
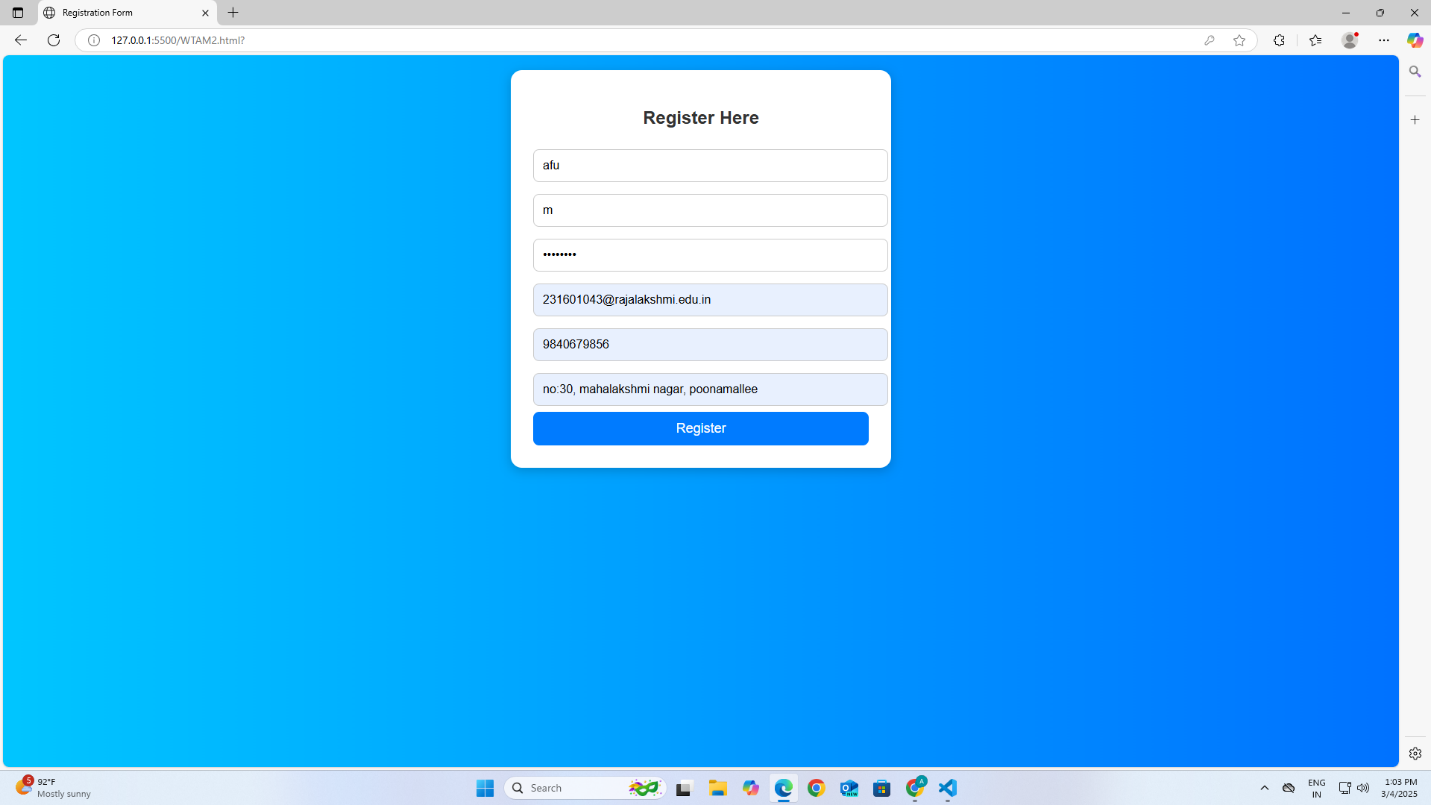
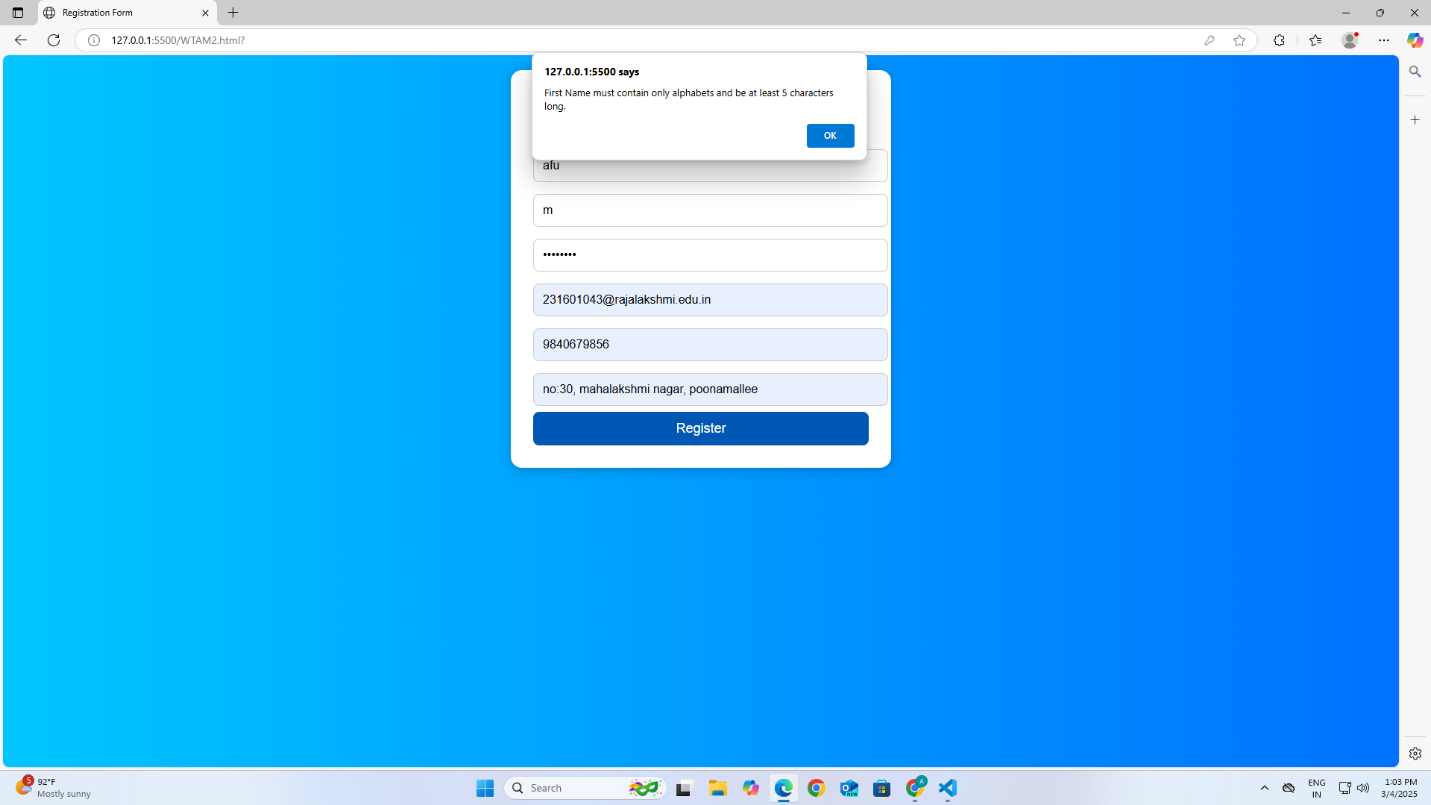
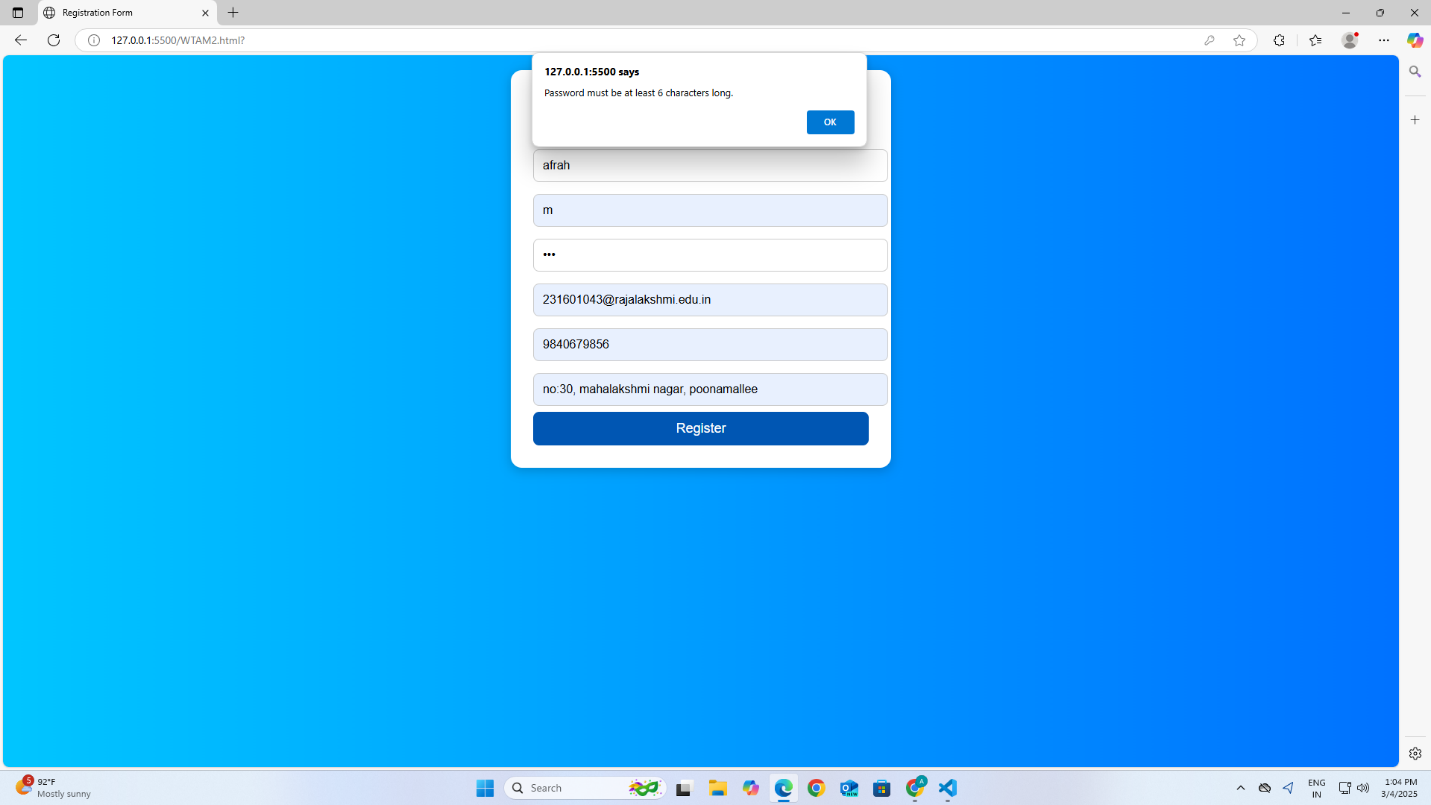
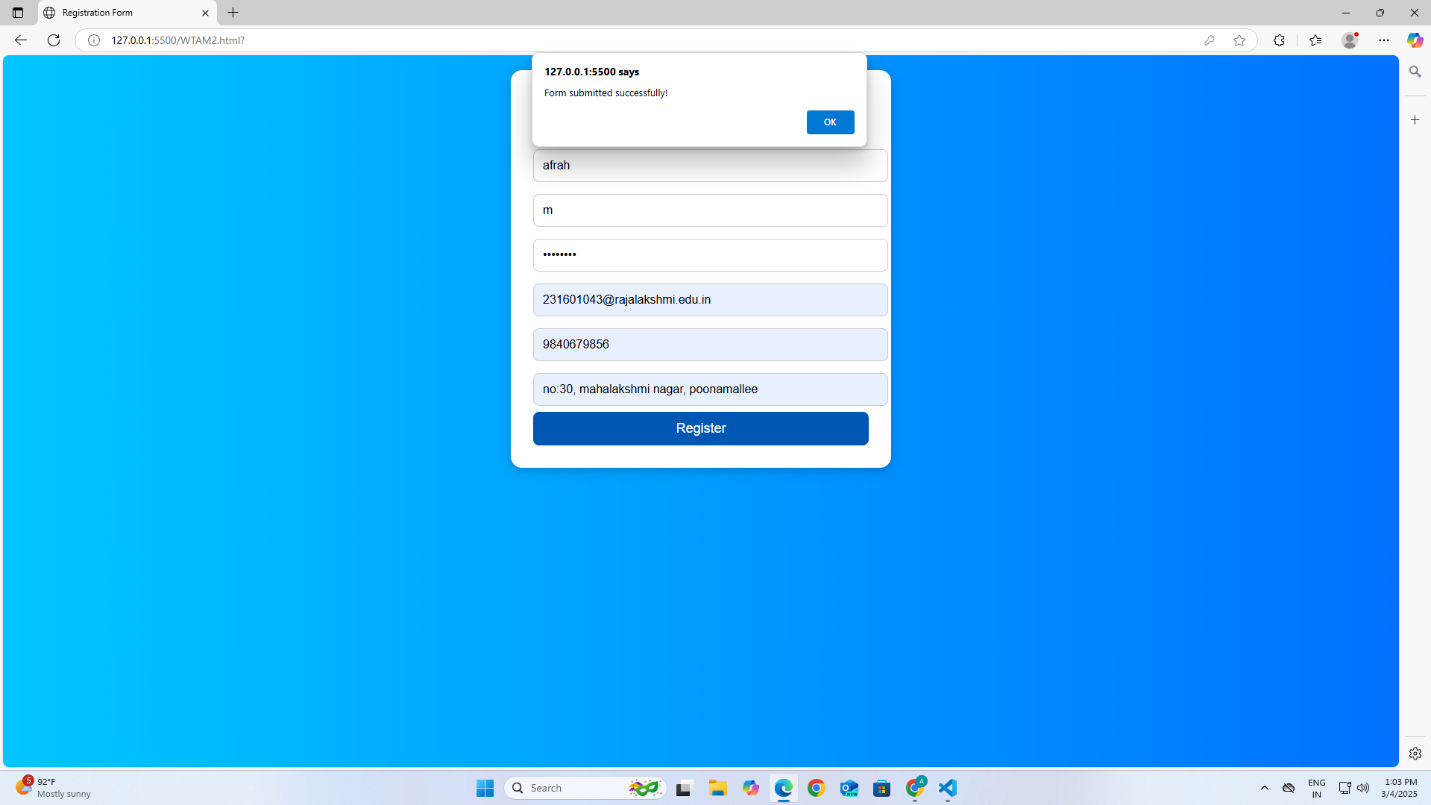
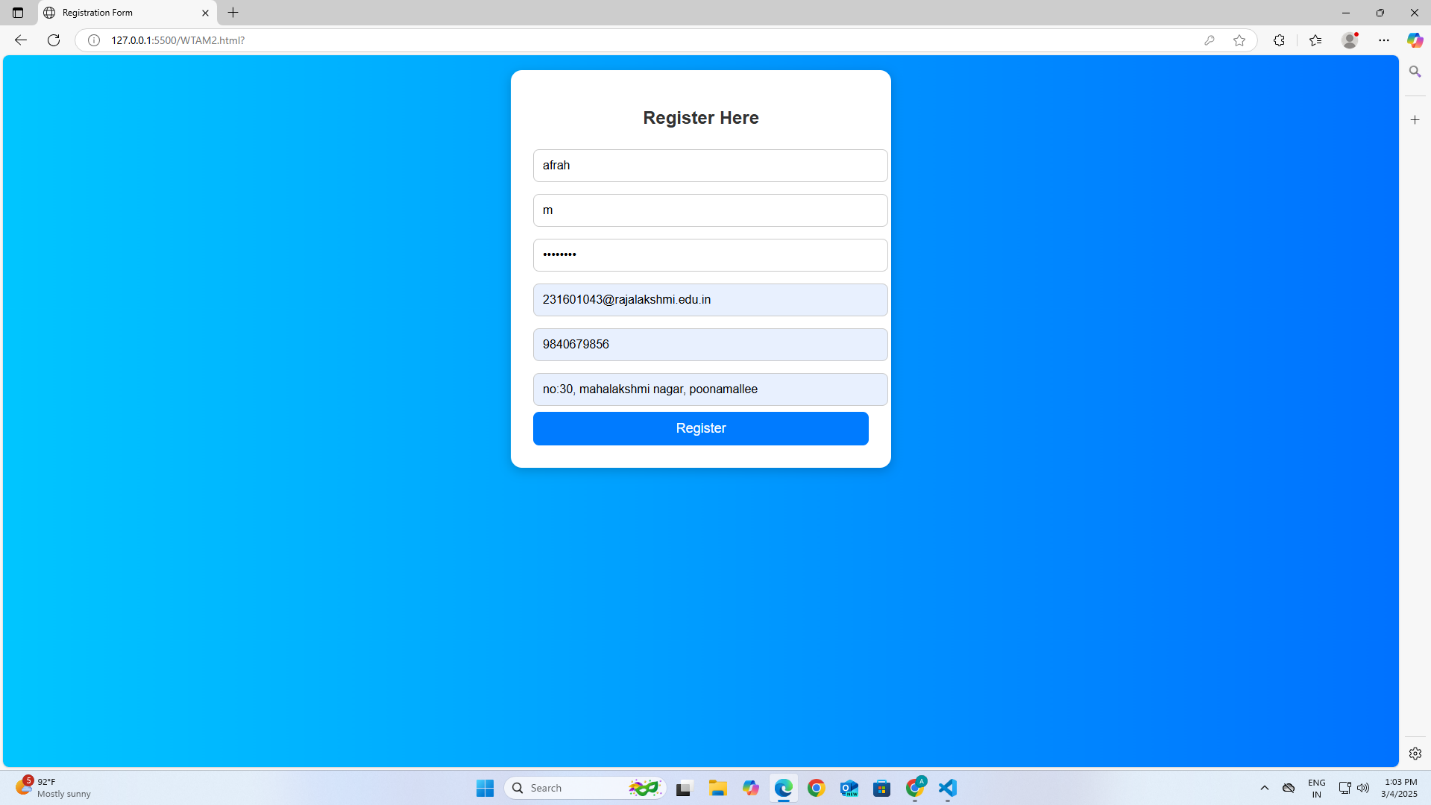
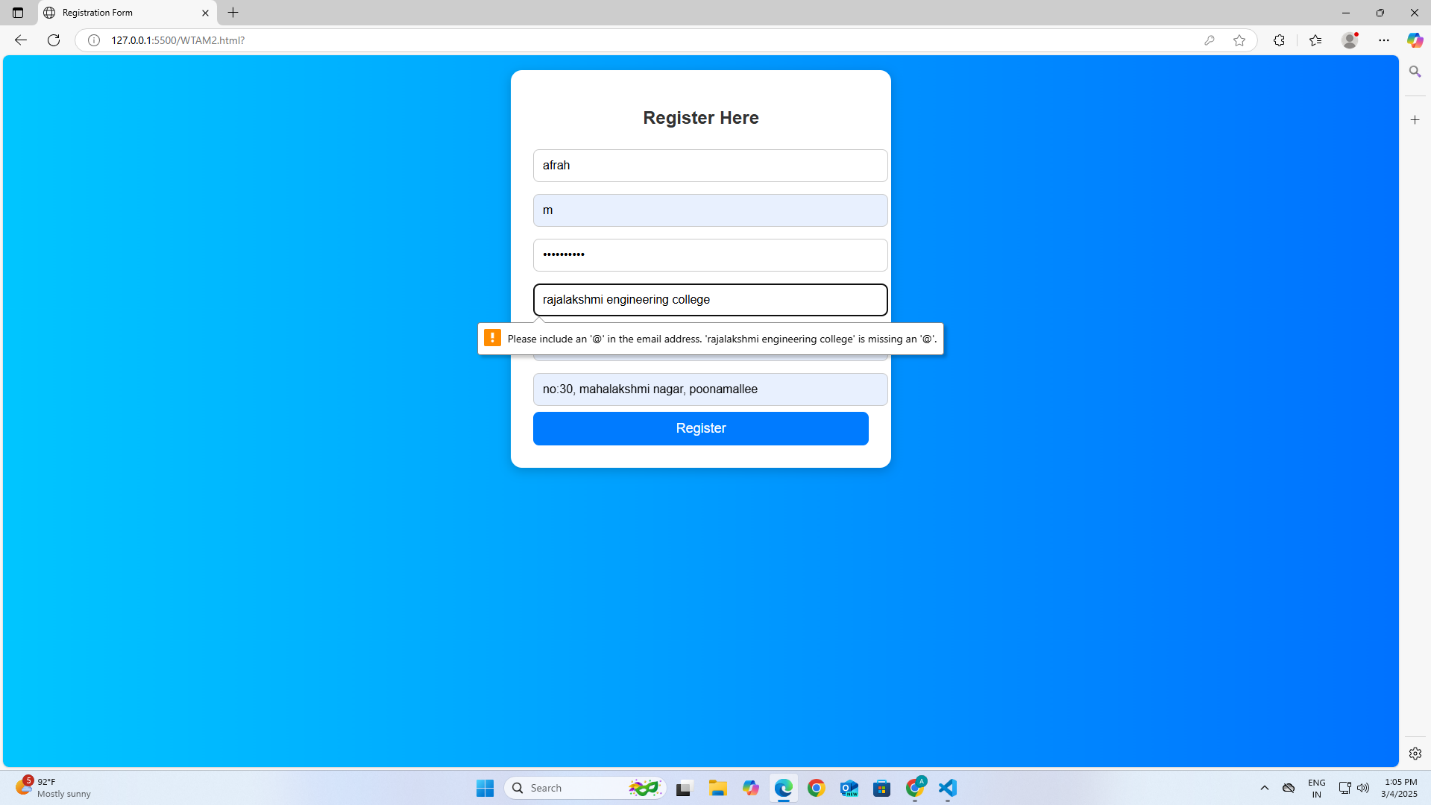
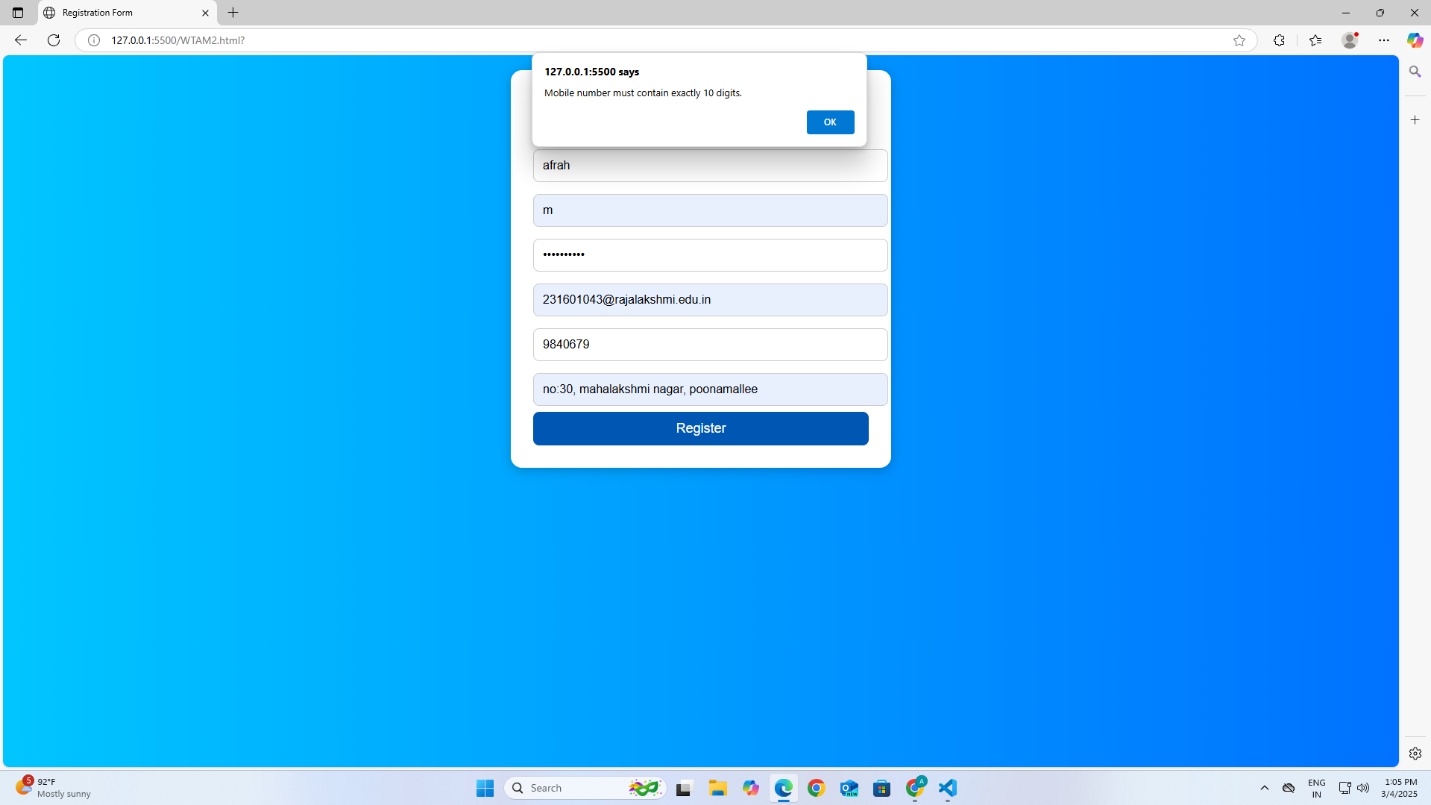
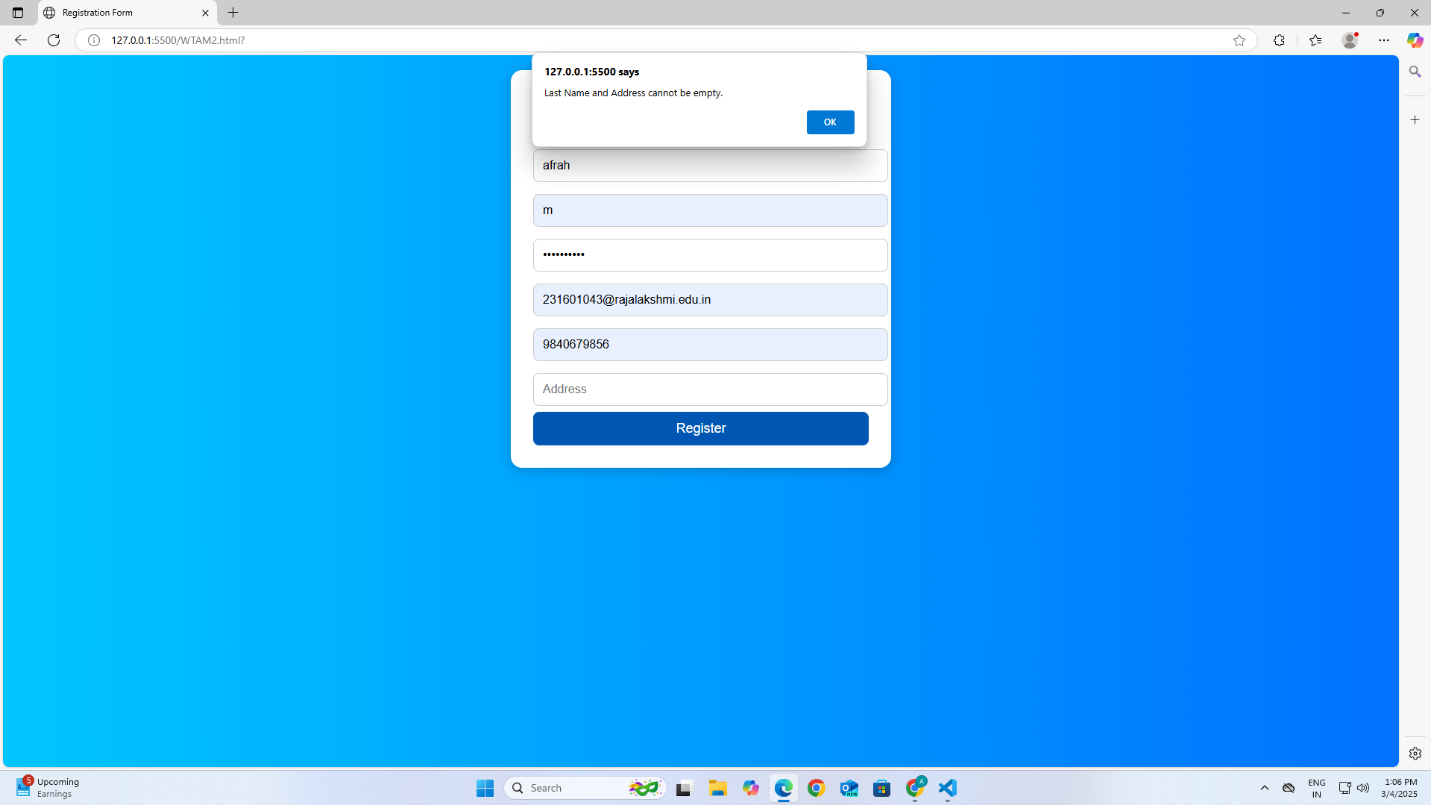
            return true;

        }

    </**script**>

</**body**>

</**html**>

**OUTPUT:**

**RESULT:** Thus, a registration form was executed successfully.