|  |  |
| --- | --- |
| **Ex. No : 2**  **Date:** | **Validation of Registration Form Fields using JavaScript** |

**AIM:**

To develop a JavaScript program that validates the input fields of a Registration form, ensuring that:

* First Name has only alphabets and at least 6 characters.
* Password has at least 6 characters.
* Email follows the correct format (name@domain.com).
* Mobile Number contains exactly 10 digits.
* Last Name and Address fields are not left empty.

**PROGRAM:**

<html>

<head>

    <title>Registration Form</title>

    <style>

        .error-message {

            color: red;

            font-size: 14px;

            margin-top: 5px;

        }

        input{

            padding: 5px;

            border-radius: 6px;

            display: block;

        }

    </style>

</head>

<body style="display:flex;  flex-direction: column; justify-content: center; align-items: center;">

    <h1>REGISTRATION FORM</h1>

    <form name="RegForm" onsubmit="return validateForm()">

        <p>

            <label for="firstname">First Name:</label>

            <input type="text" id="firstname" name="firstname" placeholder="Enter First Name" required/>

            <span id="firstname-error" class="error-message"></span>

        </p>

        <p>

            <label for="password">Password:</label>

            <input type="password" id="password" name="password" placeholder="Enter Password" required/>

            <span id="password-error" class="error-message"></span>

        </p>

        <p>

            <label for="email">Email:</label>

            <input type="text" id="email" name="email" placeholder="Enter Email" required/>

            <span id="email-error" class="error-message"></span>

        </p>

        <p>

            <label for="phone">Phone Number:</label>

            <input type="tel" id="phone" name="phone" placeholder="Enter Phone Number" required/>

            <span id="phone-error" class="error-message"></span>

        </p>

        <p>

            <label for="lastname">Last Name:</label>

            <input type="text" id="lastname" name="lastname" placeholder="Enter Last Name" required/>

            <span id="lastname-error" class="error-message"></span>

        </p>

        <p>

            <label for="address">Address:</label>

            <textarea  id="address" name="address" placeholder="Enter Address" required></textarea>

            <span id="address-error" class="error-message"></span>

        </p>

        <p>

            <input type="submit" value="Submit" name="Submit" />

        </p>

    </form>

    <script>

        function validateForm() {

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

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

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

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

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

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

            const firstnameError = document.getElementById("firstname-error");

            const passwordError = document.getElementById("password-error");

            const emailError = document.getElementById("email-error");

            const phoneError = document.getElementById("phone-error");

            const lastnameError = document.getElementById("lastname-error");

            const addressError = document.getElementById("address-error");

            firstnameError.textContent = "";

            passwordError.textContent = "";

            emailError.textContent = "";

            phoneError.textContent = "";

            lastnameError.textContent = "";

            addressError.textContent = "";

            let isvalid = true;

            if(/[^a-zA-Z]/.test(firstname))

            {

                firstnameError.textContent="First Name only contains alphabet";

                isvalid = false;

            }

            else if(firstname.length <= 6){

                    firstnameError.textContent="First Name length not less than 6 characters";

                    isvalid = false;

                }

            if (password.length !=8) {

                passwordError.textContent = "Password must be between 8 and 30 characters.";

                isvalid = false;

            }

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

            if (!emailPattern.test(email)) {

                emailError.textContent = "Please enter a valid email address.";

                isvalid = false;

            }

            if(phone.length!=10){

                phoneError.textContent = "Phone number length must be 10";

                isvalid = false;

            }

            if(isvalid){

                alert("Register successfully");

                return true;

            }

            else{

                return false;

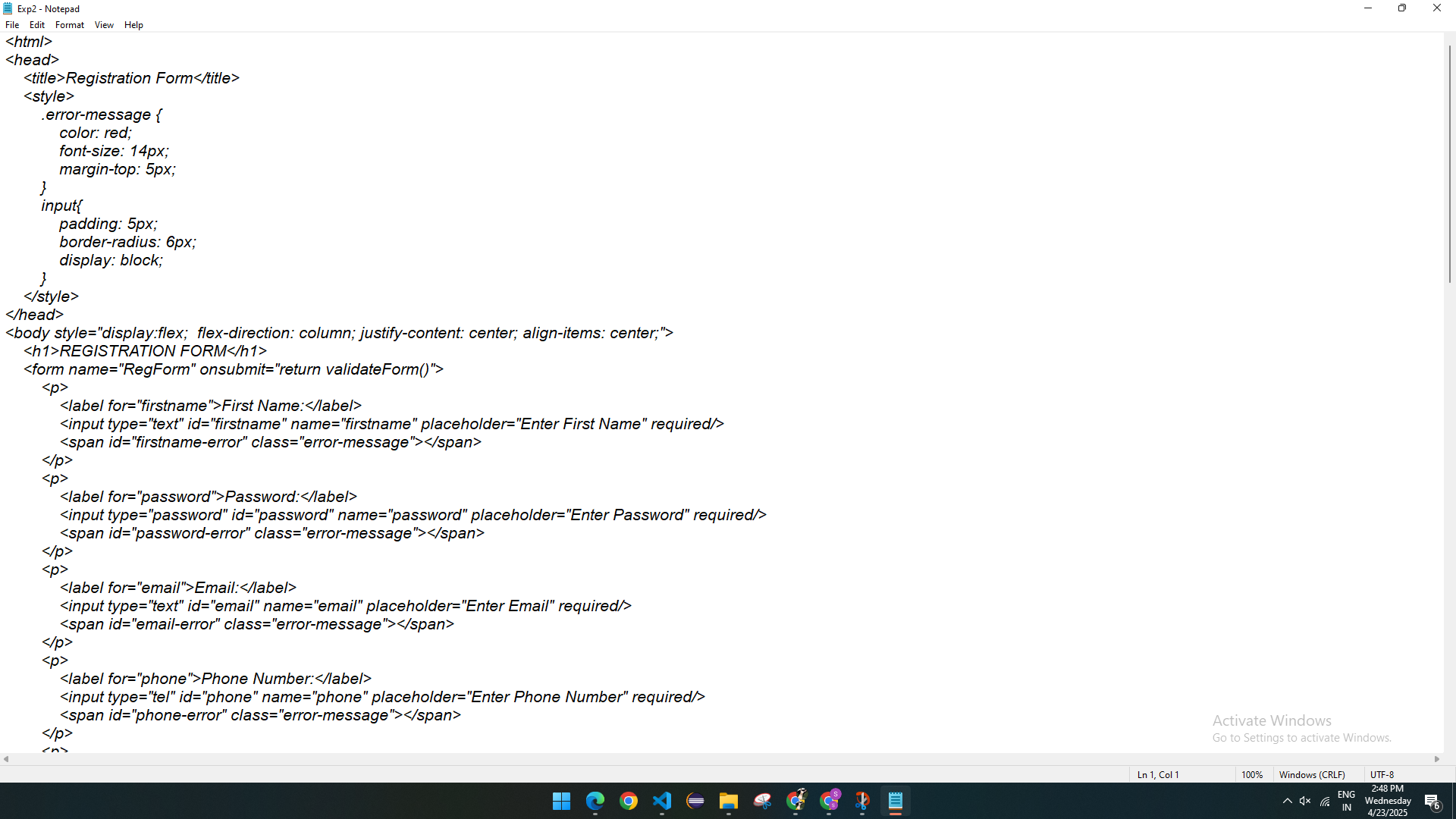
            }

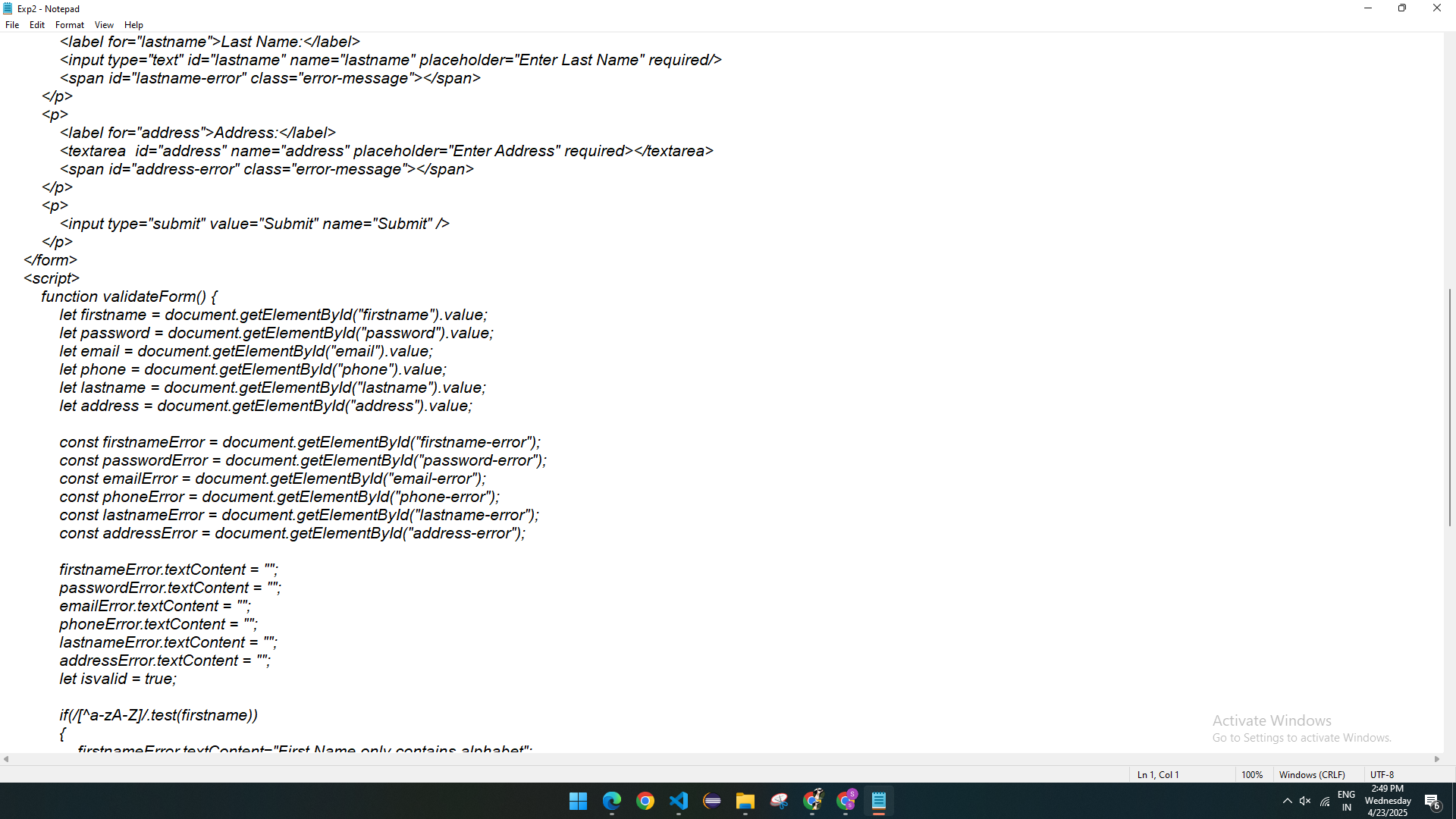
    }

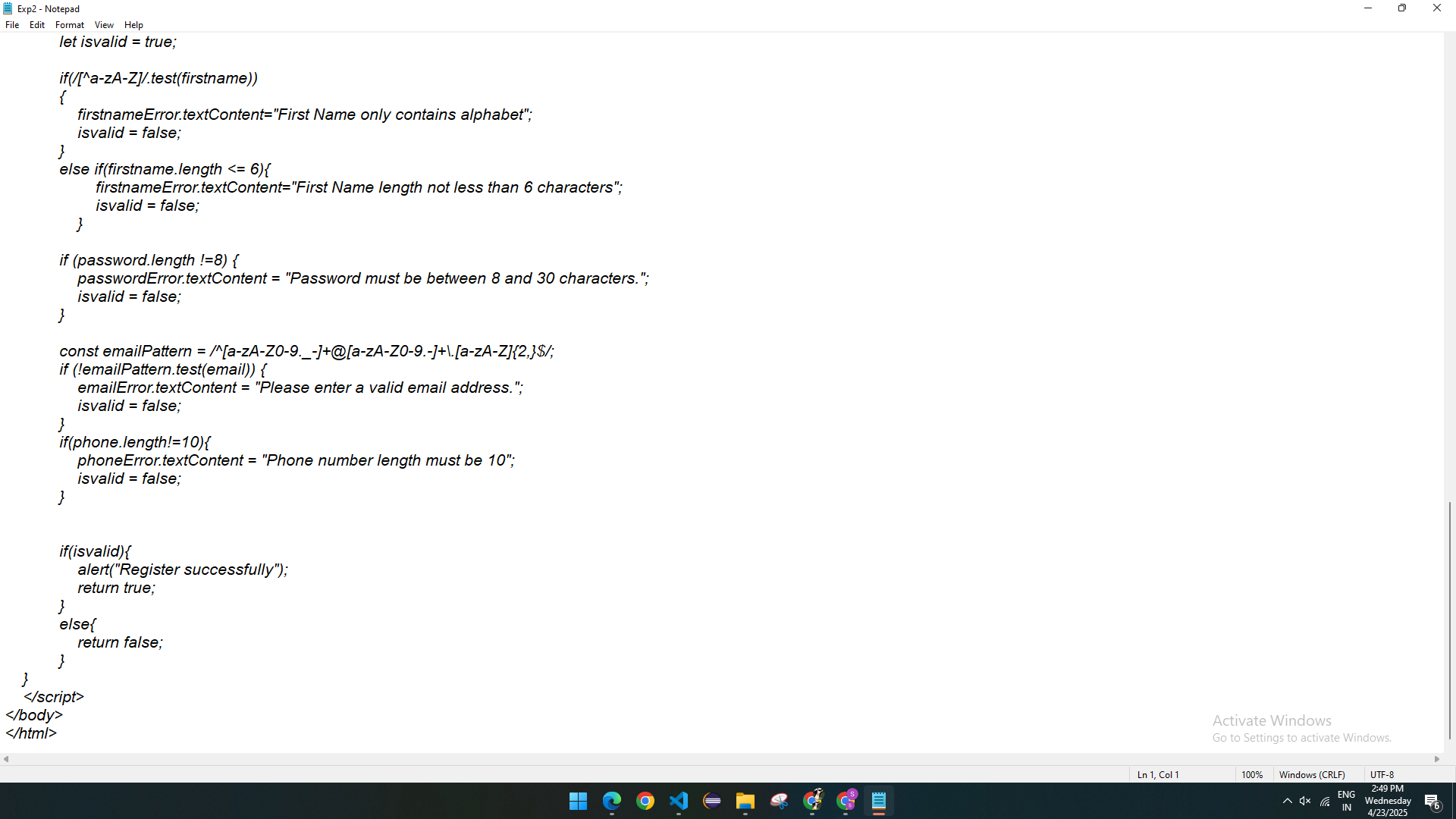
    </script>

</body>

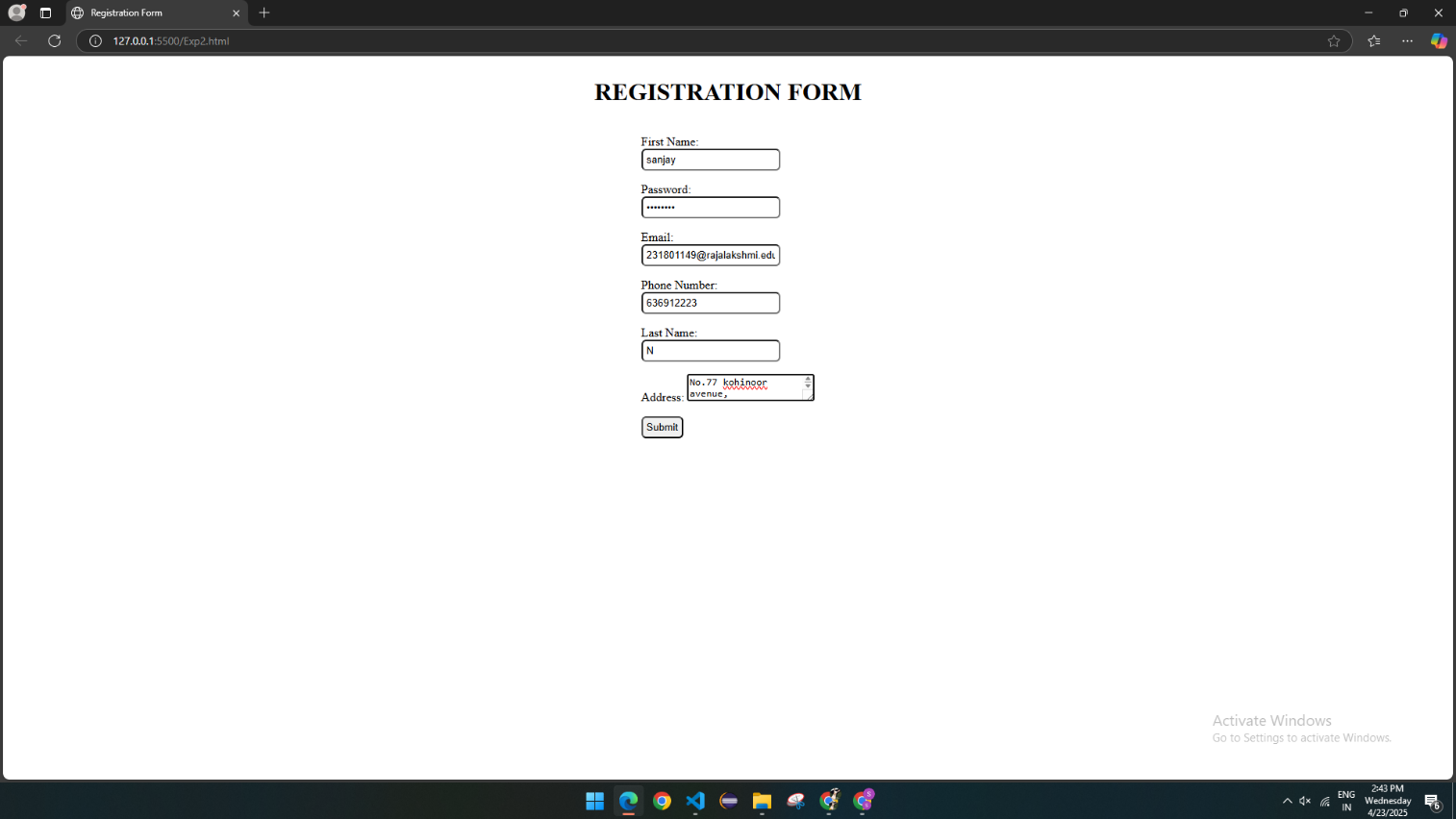
</html>

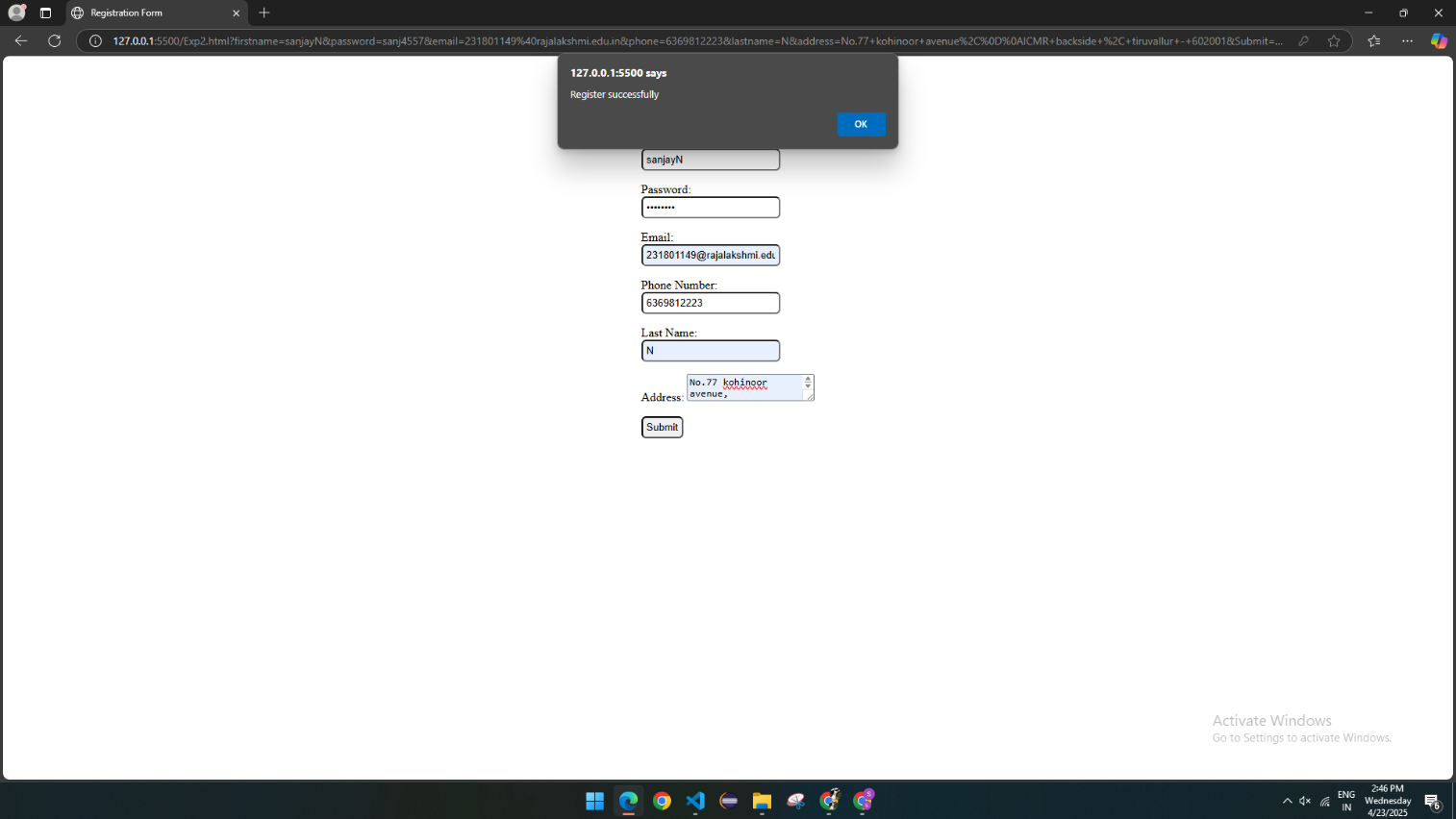






**OUTPUT:**





**RESULT:**

Successfully created a Registration Form and validated the fields using JavaScript, ensuring correct user input before form submission.