

**Exp No: 2**  
**Date: 7.2.25**

**REGISTRATION FORM**

**AIM:**

To write a JavaScript to validate the following fields of a registration page

- a) First Name ( Name should contain alphabets and the length should not be less than 6 characters
- b) Password (Password should not be less than 6 characters length)
- c) Email id ( should not contain any invlaid and must follow the standard pattern [name@domain.com](mailto:name@domain.com))
- d) Mobile Number(phone number should contain 10 digits only )
- e) Last Name and Address ( should not be 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>
    </form>
</div>

```

```

    <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;
        }

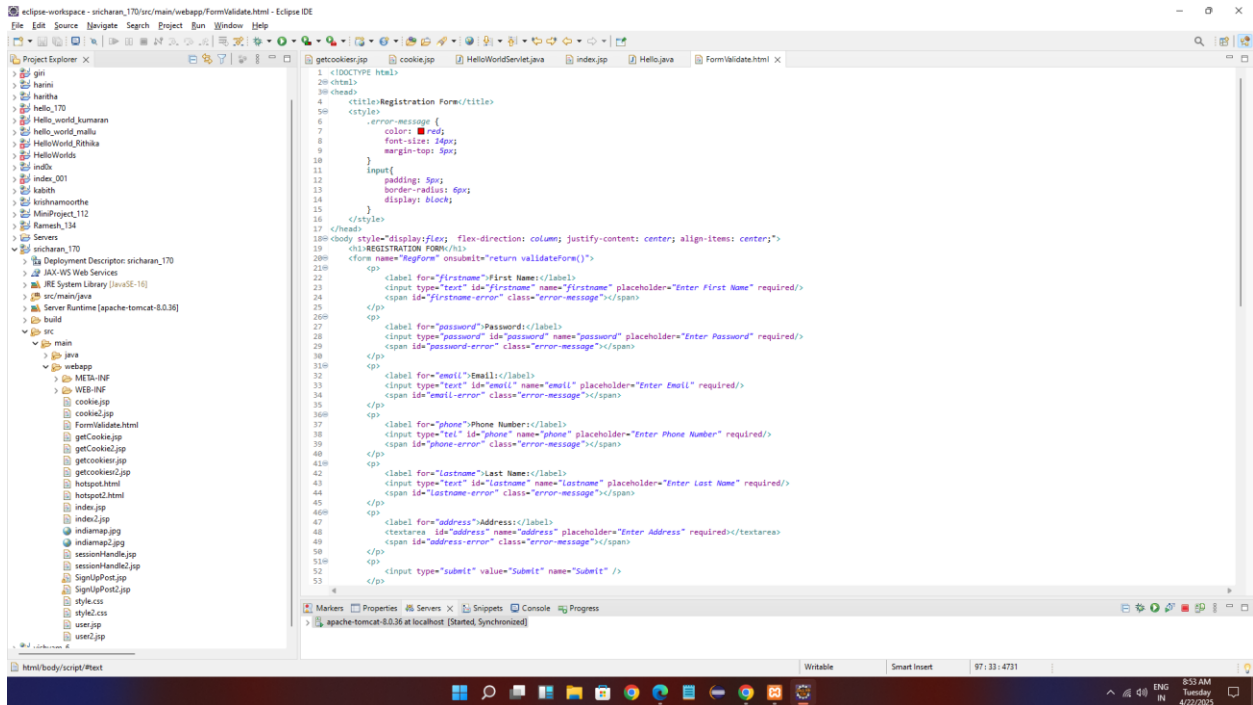
        const emailPattern = /^[a-zA-Z0-9._-]+@[a-zA-Z0-9.-]+\.[a-zA-
Z]{2,}$/;
        if (!emailPattern.test(email)) {
            emailError.textContent = "Please enter a valid email
address.";
            isvalid = false;
        }
        if(phone.length!=10){
            phoneError.textContent = "Phone number length must be 10";
            isvalid = false;
        }

        if(isvalid){
            alert("Register successfully");
            return true;
        }
        else{
            return false;
        }
    }

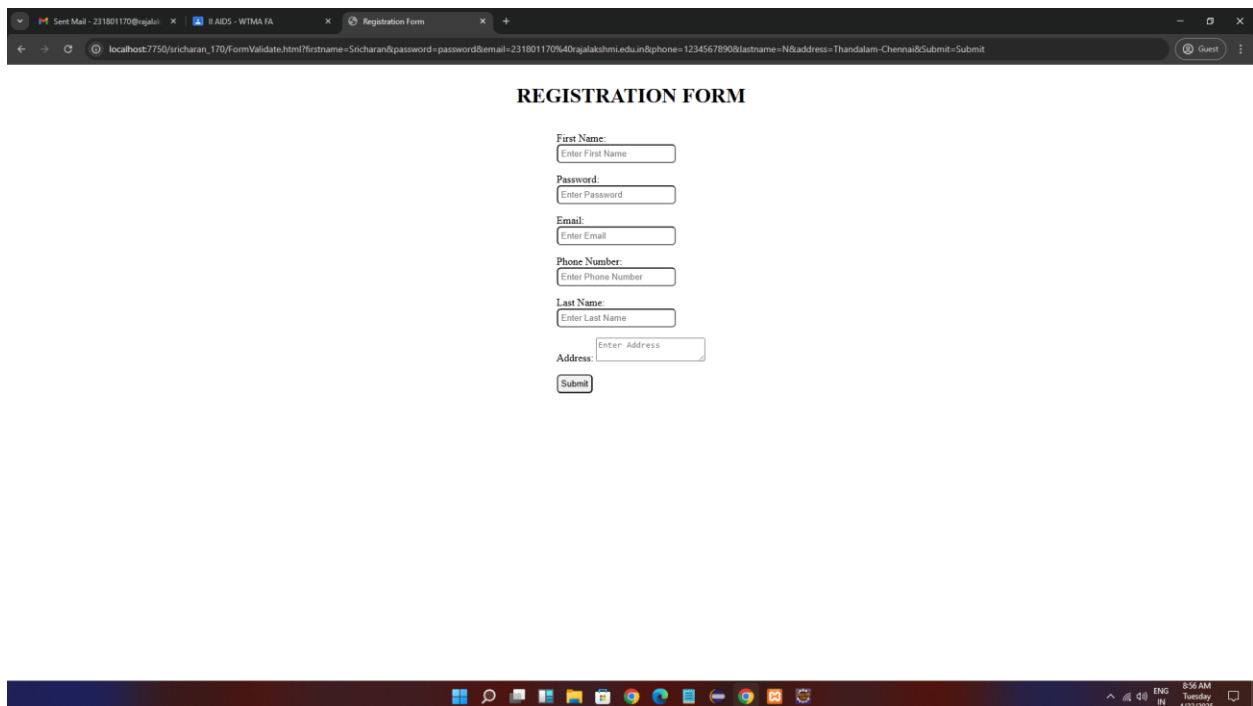
```

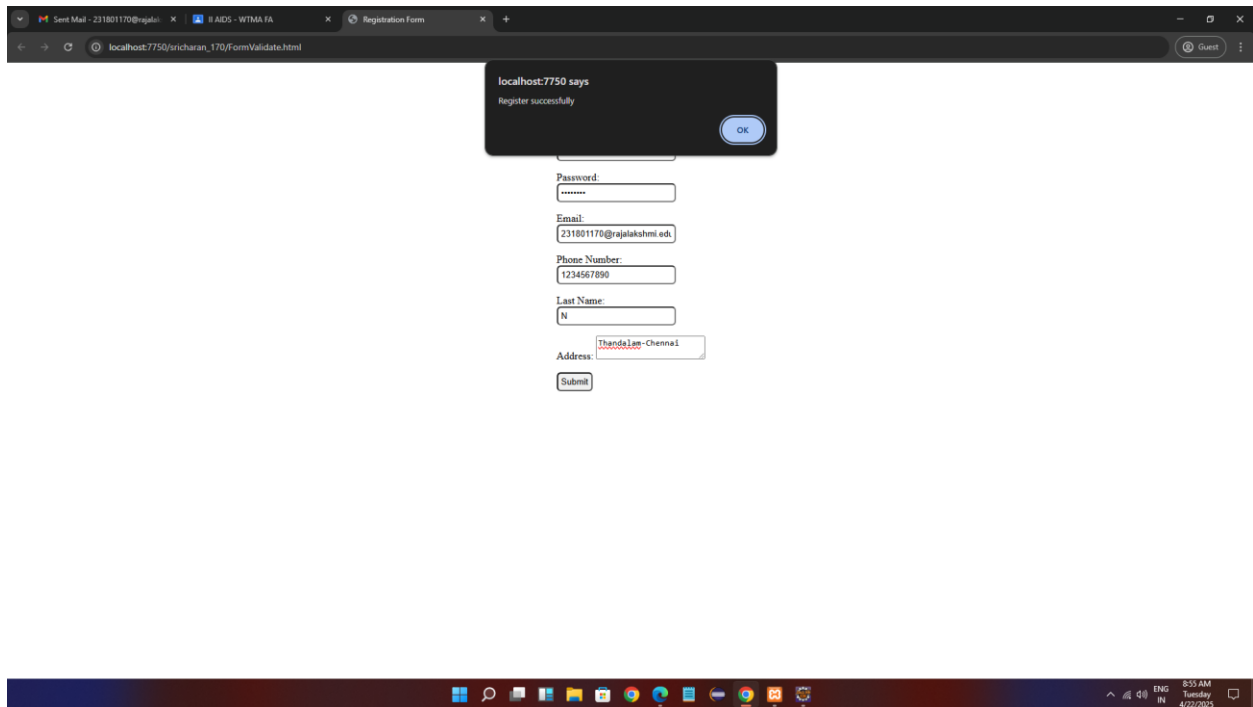
```
}  
  
</script>  
  
</body>  
  
</html>
```

```
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]{2,5}$/;  
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 :

Thus the experiment to create a web page that embeds a map with hotspots, frames, and links using embedded, external, and inline CSS has been successfully implemented and verified .