EX NO:02	REGISTRATION FORM

AIM:

To create a user-friendly registration form with proper input validation for fields like First Name, Last Name, Password, E-mail, Mobile Number, and Address. The form ensures all fields meet specific requirements, such as correct format and length, while providing a clean and responsive design.

CODE:

(index.html)

```html
<!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>
    <link rel="stylesheet" href="style.css"> <!-- Link to external CSS file -->
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.15.4/css/all.min.css"> <!-- Font Awesome icons -->
</head>
<body>
    <div class="form-container">
        <h2>Registration Form</h2>
        <form onsubmit="return validateForm()">
            <div class="form-group">
                <label for="firstName">First Name:</label>
```

```html
        <div class="input-icon">

            <input type="text" id="firstName" name="firstName" placeholder="Enter your first name">

            <i class="fas fa-user"></i>

        </div>

    </div>


    <div class="form-group">

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

        <div class="input-icon">

            <input type="text" id="lastName" name="lastName" placeholder="Enter your last name">

            <i class="fas fa-user"></i>

        </div>

    </div>


    <div class="form-group">

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

        <div class="input-icon">

            <input type="password" id="password" name="password" placeholder="Enter your password">

            <i class="fas fa-lock"></i>

        </div>

    </div>


    <div class="form-group">

        <label for="email">E-mail:</label>

        <div class="input-icon">
```

```html
            <input type="email" id="email" name="email" placeholder="Enter your email
address">

            <i class="fas fa-envelope"></i>

          </div>

        </div>


        <div class="form-group">

          <label for="mobileNumber">Mobile Number:</label>

          <div class="input-icon">

            <input type="text" id="mobileNumber" name="mobileNumber"
placeholder="Enter your mobile number">

            <i class="fas fa-phone"></i>

          </div>

        </div>


        <div class="form-group">

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

          <div class="input-icon">

            <textarea id="address" name="address" placeholder="Enter your
address"></textarea>

            <i class="fas fa-map-marker-alt"></i>

          </div>

        </div>


        <button type="submit" class="submit-btn">Submit</button>

      </form>

    </div>


  <script src="script.js"></script> <!-- Link to external JS file -->
```

```
</body>

</html>


(script.js)

// Function to validate the registration form

function validateForm() {

    // Get the input values

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

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

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

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

    var mobileNumber = document.getElementById("mobileNumber").value;

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


    // Regular expression for validating email

    var emailPattern = /^[a-zA-Z0-9._-]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,6}$/;


    // Regular expression for validating mobile number (10 digits)

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


    // Validate First Name

    if (firstName.length < 6 || !/^[a-zA-Z]+$/.test(firstName)) {

        alert("First Name should contain only alphabets and be at least 6 characters long.");

        return false;

    }


    // Validate Last Name

    if (lastName.trim() === "") {
```

```javascript
    alert("Last Name cannot be empty.");

    return false;

}


// Validate Password

if (password.length < 6) {

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

    return false;

}


// Validate Email

if (!emailPattern.test(email)) {

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

    return false;

}


// Validate Mobile Number

if (!mobilePattern.test(mobileNumber)) {

    alert("Mobile Number should contain exactly 10 digits.");

    return false;

}


// Validate Address

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

    alert("Address cannot be empty.");

    return false;

}
```

```javascript
    // If all validations pass

    return true;

}
```

(style.css)

```css
/* General Body Styles */

body {

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

    background: linear-gradient(135deg, #5f2c82, #49a09d);

    color: #fff;

    margin: 0;

    padding: 0;

    display: flex;

    justify-content: center;

    align-items: center;

    height: 100vh;

}


/* Form Container */

.form-container {

    background-color: #fff;

    padding: 40px;

    border-radius: 10px;

    box-shadow: 0 6px 15px rgba(0, 0, 0, 0.2);

    width: 100%;

    max-width: 600px;

    color: #333;
```

```css
}

/* Heading */
h2 {
    text-align: center;
    font-size: 2.5em;
    margin-bottom: 20px;
    color: #333;
}

/* Form Group */
.form-group {
    margin-bottom: 25px;
}

/* Label Styling */
label {
    display: block;
    font-size: 14px;
    color: #333;
    margin-bottom: 8px;
    font-weight: 600;
}

/* Input Fields with Icons */
.input-icon {
    position: relative;
    display: flex;
```

```css
    align-items: center; /* Aligns icons and input text vertically */
}


.input-icon input,
.input-icon textarea {
    width: 100%;
    padding: 15px 15px 15px 40px; /* Add padding on the left for icon space */
    border: 1px solid #ddd;
    border-radius: 8px;
    font-size: 16px;
    color: #333;
    box-sizing: border-box;
    background-color: #f5f5f5;
    transition: 0.3s;
}


.input-icon input:focus,
.input-icon textarea:focus {
    border-color: #49a09d;
    background-color: #fff;
    outline: none;
}


.input-icon i {
    position: absolute;
    left: 15px; /* Align icon to the left of the input field */
    font-size: 18px;
    color: #49a09d;
```

```css
      pointer-events: none; /* Ensure icons don't interfere with text input */

      transform: none; /* Ensure no unwanted rotation */

}


/* Fix for the Phone Icon */

.input-icon i.fas.fa-phone {

      transform: none; /* Explicitly reset any transformations */

}


/* Focused Input Fields */

input[type="text"]:focus,

input[type="password"]:focus,

input[type="email"]:focus,

textarea:focus {

      border-color: #49a09d;

}


/* Button Styles */

.submit-btn {

      width: 100%;

      padding: 15px;

      background-color: #49a09d;

      color: white;

      font-size: 18px;

      border: none;

      border-radius: 8px;

      cursor: pointer;

      transition: background-color 0.3s;
```

```css
    }

    .submit-btn:hover {

        background-color: #5f2c82;

    }


    /* Responsive Design */
    @media screen and (max-width: 600px) {

        .form-container {

            width: 90%;

            padding: 20px;

        }

    }


    /* Form Container Animation */
    .form-container {

        animation: fadeIn 1s ease-out;

    }
    /* Fade-in Animation */
    @keyframes fadeIn {

        from {

            opacity: 0;

            transform: translateY(30px);

        }to {

            opacity: 1;

            transform: translateY(0)

        }

    }
```

OUTPUT:

Registration Form

First Name:

👤 Enter your first name

Last Name:

👤 Enter your last name

Password:

🔒 Enter your password

E-mail:

✉ Enter your email address

Mobile Number:

📞 Enter your mobile number

Address:

📍 Enter your address

Submit