EXP: 2 JAVASCRIPT

2) 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).

AIM:

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

ALGORITHM:

Step 1: Create the HTML Form

- Add input fields for First Name, Last Name, Email, Password, Mobile Number, and Address.
- Add a Submit Button to trigger validation.

Step 2: Apply Elegant CSS Styling

- Add responsive styling with hover effects.
- Improve form layout, input fields, and button styles.

Step 3: Add JavaScript for Validation

- Validate each field and show error messages if invalid.
- Display "Registration Successful!" if all inputs are valid.

Step 4: Full Working Code in One HTML File

- Copy and paste the code below into an `.html` file and open it in a browser.

PROGRAM:

<!DOCTYPE html>

```html
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Registration Form Validation</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      background: linear-gradient(120deg, #a1c4fd, #c2e9fb);
      display: flex;
      justify-content: center;
      align-items: center;
      height: 100vh;
      margin: 0;
    }
    .form-container {
      background: #fff;
      padding: 30px;
      border-radius: 10px;
      box-shadow: 0 8px 16px rgba(0, 0, 0, 0.2);
      width: 100%;
      max-width: 400px;
    }
    .form-container h2 {
      text-align: center;
      margin-bottom: 20px;
    }
    .form-group {
      margin-bottom: 15px;
```
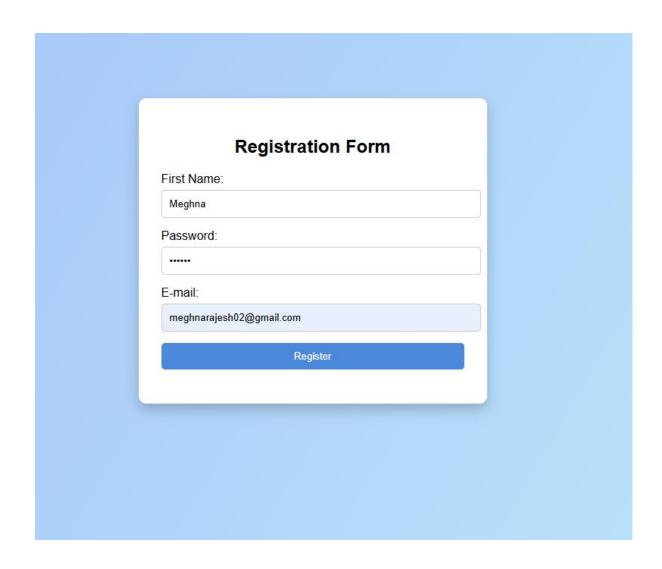
```css
    }
    .form-group label {
      display: block;
      margin-bottom: 5px;
    }
    .form-group input {
      width: 100%;
      padding: 10px;
      border: 1px solid #ccc;
      border-radius: 5px;
    }
    .form-group input:focus {
      border-color: #4a90e2;
      outline: none;
    }
    .form-group button {
      width: 100%;
      padding: 10px;
      background-color: #4a90e2;
      color: white;
      border: none;
      border-radius: 5px;
      cursor: pointer;
    }
    .form-group button:hover {
      background-color: #357ab7;
    }
  </style>
```

```html
    </head>
    <body>
      <div class="form-container">
        <h2>Registration Form</h2>
        <form onsubmit="return validateForm()">
          <div class="form-group">
            <label for="firstName">First Name:</label>
            <input type="text" id="firstName" name="firstName">
          </div>

          <div class="form-group">
            <label for="password">Password:</label>
            <input type="password" id="password" name="password">
          </div>

          <div class="form-group">
            <label for="email">E-mail:</label>
            <input type="text" id="email" name="email">
          </div>

          <div class="form-group">
            <button type="submit">Register</button>
          </div>
        </form>
      </div>

      <script>
        function validateForm() {
          const firstName = document.getElementById('firstName').value.trim();
```

```javascript
    const password = document.getElementById('password').value;

    const email = document.getElementById('email').value.trim();


    const nameRegex = /^[A-Za-z]{6,}$/;

    const emailRegex = /^[\w.-]+@[\w.-]+\.\w{2,}$/;


    if (!nameRegex.test(firstName)) {

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

      return false;

     }


    if (password.length < 6) {

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

      return false;

     }


    if (!emailRegex.test(email)) {

     alert('Please enter a valid email address.');

      return false;

     }


     return true;

    }

  </script>

</body>

</html>
```

OUTPUT:

RESULT: The Registration Form was successfully created using HTML, CSS, and JavaScript.