EXP NO: 2

# JavaScript Form Validation for Registration Page

### 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:**

### Validate.html

```
<!DOCTYPE html>
<html>
<head>
    <title>Registration Form</title>
    <tstyle>
    body {
        font-family: Arial, sans-serif;
        background-color: #f2f2f2;
        display: flex;
        flex-direction: column;
        align-items: center;
        padding: 20px;
}

form {
        background-color: white;
```

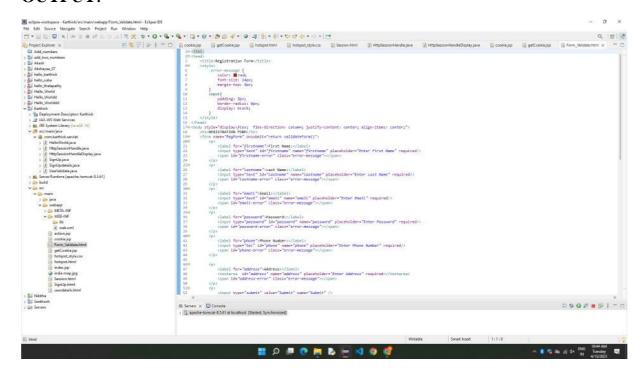
```
padding: 20px;
  padding-right: 30px;
  border-radius: 10px;
  box-shadow: 0 0 10px rgba(0,0,0,0.1);
  width: 320px;
}
label {
  font-weight: bold;
}
input, textarea {
  width: 100%;
  margin-top: 5px;
  margin-bottom: 10px;
  padding: 8px;
  border: 1px solid #ccc;
  border-radius: 6px;
}
.error-message {
  color: red;
  font-size: 13px;
  margin-bottom: 10px;
}
input[type="submit"] {
  background-color: #4CAF50;
  color: white;
  cursor: pointer;
  font-weight: bold;
  border: none;
}
input[type="submit"]:hover {
  background-color: #45a049;
}
```

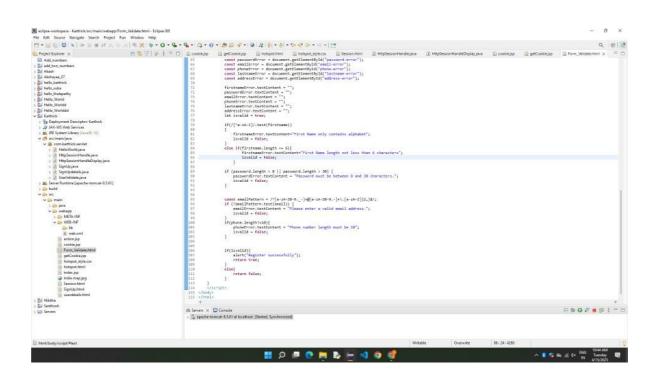
```
h1 {
       margin-bottom: 20px;
     }
  </style>
</head>
<body>
  <h1>Registration Form</h1>
  <form name="RegForm" onsubmit="return validateForm()">
     <label for="firstname">First Name:</label>
     <input type="text" id="firstname" name="firstname" required>
     <span id="firstname-error" class="error-message"></span>
     <label for="lastname">Last Name:</label>
     <input type="text" id="lastname" name="lastname" required>
     <span id="lastname-error" class="error-message"></span>
     <label for="password">Password:</label>
     <input type="password" id="password" name="password" required>
     <span id="password-error" class="error-message"></span>
     <label for="email">Email:</label>
     <input type="text" id="email" name="email" required>
     <span id="email-error" class="error-message"></span>
     <label for="phone">Phone Number:</label>
     <input type="tel" id="phone" name="phone" required>
     <span id="phone-error" class="error-message"></span>
     <label for="address">Address:</label>
     <textarea id="address" name="address" required></textarea>
     <span id="address-error" class="error-message"></span>
     <input type="submit" value="Submit">
  </form>
  <script>
```

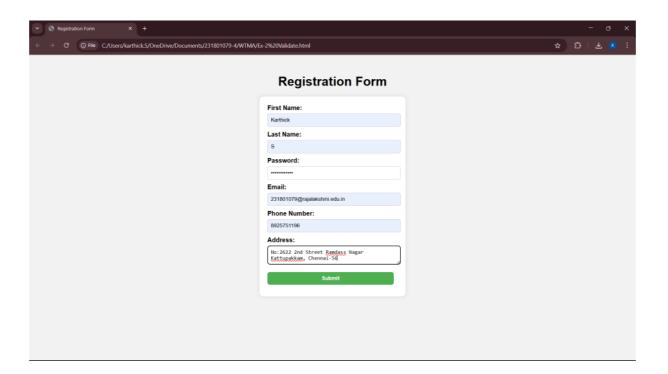
```
function validateForm() {
  let isValid = true;
  let firstname = document.getElementById("firstname").value.trim();
  let lastname = document.getElementById("lastname").value.trim();
  let password = document.getElementById("password").value;
  let email = document.getElementById("email").value.trim();
  let phone = document.getElementById("phone").value.trim();
  let address = document.getElementById("address").value.trim();
  const firstnameError = document.getElementById("firstname-error");
  const lastnameError = document.getElementById("lastname-error");
  const passwordError = document.getElementById("password-error");
  const emailError = document.getElementById("email-error");
  const phoneError = document.getElementById("phone-error");
  const addressError = document.getElementById("address-error");
  firstnameError.textContent = "";
  lastnameError.textContent = "";
  passwordError.textContent = "";
  emailError.textContent = "";
  phoneError.textContent = "";
  addressError.textContent = "";
  if (!/^[A-Za-z]\{6,\}\/.test(firstname)) {
     firstnameError.textContent = "First Name must be alphabetic and at least 6 characters.";
     isValid = false;
  }
  if (lastname === "") {
     lastnameError.textContent = "Last Name should not be empty.";
     isValid = false;
```

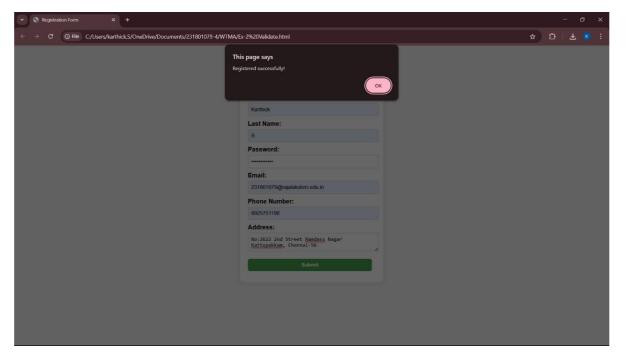
```
}
        if (password.length < 6) {
           passwordError.textContent = "Password must be at least 6 characters.";
          isValid = false;
        }
        const emailPattern = /^[a-zA-Z0-9._%+-]+@[a-zA-Z0-9.-]+\\.[a-zA-Z]{2,}$/;
        if (!emailPattern.test(email)) {
           emailError.textContent = "Invalid email format (e.g., name@domain.com).";
          isValid = false;
        }
        if (!/^\d{10})$/.test(phone)) {
           phoneError.textContent = "Phone number must be exactly 10 digits.";
          isValid = false;
        }
        if (address === "") {
           addressError.textContent = "Address should not be empty.";
          isValid = false;
        }
        if (isValid) {
           alert("Registered successfully!");
        }
        return is Valid;
     }
  </script>
</body>
</html>
```

# **OUTPUT**:









RESULT:	
The Registration form with required validation is successfully implemented	•
2116231801071	AI23431
1 21102310010/1	