

LAB EXPERIMENTS 02

2 Write JavaScript to validate the following fields of the 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) 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 : To create a JavaScript to validate the following fields:

- 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) 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).

- **First Name:** Should contain only alphabets and the length should not be less than 6 characters.
- **Password:** Should be at least 6 characters long.
- **Email:** Should follow the standard email pattern (e.g., name@domain.com).
- **Mobile Number:** Should contain exactly 10 digits.
- **Last Name and Address:** Should not be empty

SOURCE CODE :

```
<!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>
</head>
<body>

  <form id="registrationForm" onsubmit="return validateForm()">
    <label for="firstName">First Name (only alphabets, min 6 characters):</label>
    <input type="text" id="firstName" name="firstName"><br><br>

    <label for="lastName">Last Name:</label>
    <input type="text" id="lastName" name="lastName"><br><br>

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

```
<input type="email" id="email" name="email"><br><br>
```

```
<label for="mobile">Mobile Number (10 digits):</label>  
<input type="text" id="mobile" name="mobile"><br><br>
```

```
<label for="password">Password (at least 6 characters):</label>  
<input type="password" id="password" name="password"><br><br>
```

```
<label for="confirmPassword">Confirm Password:</label>  
<input type="password" id="confirmPassword" name="confirmPassword"><br><br>
```

```
<label for="address">Address:</label>  
<textarea id="address" name="address"></textarea><br><br>
```

```
<input type="submit" value="Register">  
</form>
```

```
<script>  
function validateForm() {  
    var firstName = document.getElementById("firstName").value;  
    var lastName = document.getElementById("lastName").value;  
    var email = document.getElementById("email").value;  
    var mobile = document.getElementById("mobile").value;  
    var password = document.getElementById("password").value;  
    var confirmPassword = document.getElementById("confirmPassword").value;  
    var address = document.getElementById("address").value;
```

```
// Validate First Name
var namePattern = /^[A-Za-z]+$/; // Regex for alphabets only
if (firstName === "") {
    alert("First Name is required.");
    return false;
} else if (firstName.length < 6) {
    alert("First Name must be at least 6 characters.");
    return false;
} else if (!namePattern.test(firstName)) {
    alert("First Name should contain only alphabets.");
    return false;
}
```

```
// Validate Last Name
if (lastName === "") {
    alert("Last Name is required.");
    return false;
}
```

```
// Validate Email
var emailPattern = /^[a-zA-Z0-9._-]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,6}$/;
if (email === "") {
    alert("Email is required.");
    return false;
} else if (!emailPattern.test(email)) {
    alert("Please enter a valid email address (name@domain.com).");
    return false;
}
```

```
// Validate Mobile Number
var mobilePattern = /^[0-9]{10}$/; // Exactly 10 digits
if (mobile === "") {
    alert("Mobile Number is required.");
    return false;
} else if (!mobilePattern.test(mobile)) {
    alert("Mobile Number must be 10 digits.");
    return false;
}
```

```
// Validate Password
if (password === "") {
    alert("Password is required.");
    return false;
} else if (password.length < 6) {
    alert("Password must be at least 6 characters.");
    return false;
}
```

```
// Validate Confirm Password
if (confirmPassword === "") {
    alert("Confirm Password is required.");
    return false;
} else if (confirmPassword !== password) {
    alert("Passwords do not match.");
    return false;
}
```

```
// Validate Address
if (address === "") {
```

```
    alert("Address is required.");  
    return false;  
}
```

```
    return true; // All validations passed, form is valid  
}  
</script>
```

```
</body>  
</html>
```