AI23431 WEB TECHNOLOGY AND MOBILE APPLICATION
231501062 AIML FA

Artifcial Intelligence &Data Science and Artifcial Intelligence & Machine Learning

LAB EXPERIMENTS 02

2 Write JavaScript to validate the following felds 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 : To create a JavaScript to validate the following felds:

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).
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 :


```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>
</head>
<body>


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


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


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

```html
<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="confrmPassword">Confrm Password:</label>
<input type="password" id="confrmPassword" name="confrmPassword"><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 frstName = document.getElementById("frstName").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 confrmPassword = document.getElementById("confrmPassword").value;
var address = document.getElementById("address").value;
```

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

```javascript
// 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 Confrm Password
if (confrmPassword === "") {
alert("Confrm Password is required.");
return false;
} else if (confrmPassword !== 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>
```