**BHARATIYA VIDYA BHAVAN’S**

**SARDAR PATEL INSTITUTE OF TECHNOLOGY**

**Munshi nagar, Andheri (W), Mumbai - 400058**

**(Autonomous Institute Affiliated to University of Mumbai)**

[Department of Computer Science and Engineering (Master of Computer Applications)]

**CLASS: F.Y. MCA SEM: I AY:24-25**

**COURSE CODE: MC504 SUBJECT NAME: WEB TECHNOLOGY LAB**

**ROLL NO.:1 BATCH: A**

**NAME: Atharva Vasant Angre**

**EXPERIMENT NO: 01**

**EXPERIMENT TITLE:** Form Validation.

**Code:**

**-----------------------**

**Form.html  
<!DOCTYPE html>**

**<html lang="en">**

**<head>**

**<meta charset="UTF-8">**

**<meta name="viewport" content="width=device-width, initial-scale=1.0">**

**<title>Forms</title>**

**<link rel="stylesheet" href="style.css">**

**</head>**

**<body>**

**<header>**

**<div class="headerDiv">**

**<p class="headerP">Registration Form</p>**

**</div>**

**</header>**

**<div class="bodyDiv" >**

**<div class="registrationDiv">**

**<p style="color: aliceblue;font-size: larger;padding: 0px;margin: 0px;">Register Yourself.!</p>**

**<form id="registrationForm">**

**<div style="display: flex;padding: 0px;margin: 0px;">**

**<div style="padding: 0px;">**

**<input type="text" id="firstName" placeholder="First Name" required >**

**<span id="firstNameError" class="error-message"></span>**

**<input type="text" id="lastName" placeholder="Last Name" required>**

**<span id="lastNameError" class="error-message"></span>**

**<input type="text" id="email" placeholder="Enter Email" name="email" required>**

**<span id="emailError" class="error-message"></span>**

**</div>**

**<div style="padding: 0px;">**

**<input type="text" id="mobileNo" placeholder="Mobile No" required>**

**<span id="mobileError" class="error-message"></span>**

**<input type="text" id="password" placeholder="Password" required>**

**<span id="passwordError" class="error-message"></span>**

**<input type="text" id="confirmPassword" placeholder="Confirm Password" required>**

**<span id="confirmPasswordError" class="error-message"></span>**

**</div>**

**</div>**

**<button type="submit" class="submitBTN">**

**Submit**

**</button>**

**</form>**

**</div>**

**</div>**

**<script src="script.js"></script>**

**</body>**

**</html>**

**--------------------------------**

**style.css**

**\*{**

**box-sizing: border-box;**

**background: #353535;**

**margin: 15px;**

**font-family:'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;**

**}**

**.headerDiv{**

**display: flex;**

**justify-content:center ;**

**}**

**.headerP{**

**font-size: 200% ;**

**font-weight: 900;**

**color: #ffffff;**

**}**

**.bodyDiv{**

**border:2px solid aliceblue;**

**border-radius: 5px;**

**height: 100%;**

**width: 100%;**

**display: flex;**

**justify-content: center;**

**align-items: center;**

**}**

**.registrationDiv{**

**width:800px;**

**text-align: center;**

**height: 450px;**

**}**

**input[type="text"],input[type="password"] {**

**background: #353535;**

**color: #ffffff;**

**border: 1px solid #777;**

**border-radius: 5px;**

**padding: 10px;**

**font-size: 16px;**

**width: 100%;**

**}**

**input[type="text"]::placeholder,input[type="password"]::placeholder {**

**color: #aaa;**

**opacity: 1;**

**}**

**input[type="text"]::placeholder,input[type="password"]:focus {**

**border-color: #4a90e2;**

**outline: none;**

**}**

**.submitBTN{**

**padding: 10px 20px;**

**background: #4caf50;**

**color: #ffffff;**

**border-radius: 5px;**

**border: none;**

**}**

**.error-message {**

**color: red;**

**font-size: 14px;**

**}**

**----------------------**

**script.js  
document.getElementById("firstName").addEventListener("blur", validateFirstName);**

**document.getElementById("lastName").addEventListener("blur", validateLastName);**

**document.getElementById("email").addEventListener("blur", validateEmail);**

**document.getElementById("mobileNo").addEventListener("blur", validateMobile);**

**document.getElementById("password").addEventListener("blur", validatePassword);**

**document.getElementById("confirmPassword").addEventListener("blur", validateConfirmPassword);**

**document.getElementById("registrationForm").addEventListener("submit", function(event) {**

**validateForm(event);**

**});**

**function validateFirstName() {**

**let firstName = document.getElementById("firstName").value;**

**let firstNameError = document.getElementById("firstNameError");**

**firstNameError.textContent = "";**

**if (firstName === "") {**

**firstNameError.textContent = "Please enter your First Name";**

**} else if (/\d/.test(firstName) || /[^a-zA-Z]/.test(firstName)) {**

**firstNameError.textContent = "Please enter your First Name properly";**

**}**

**}**

**function validateLastName() {**

**let lastName = document.getElementById("lastName").value;**

**let lastNameError = document.getElementById("lastNameError");**

**lastNameError.textContent = "";**

**if (lastName === "") {**

**lastNameError.textContent = "Please enter your Last Name";**

**} else if (/\d/.test(lastName) || /[^a-zA-Z]/.test(lastName)) {**

**lastNameError.textContent = "Please enter your Last Name properly";**

**}**

**}**

**function validateEmail() {**

**let email = document.getElementById("email").value;**

**let emailError = document.getElementById("emailError");**

**emailError.textContent = "";**

**let emailPattern = /^[a-zA-Z0-9\_.+-]+@[a-zA-Z0-9-]+\.[a-zA-Z0-9-.]+$/;**

**if (!emailPattern.test(email)) {**

**emailError.textContent = "Please enter a valid Email";**

**}**

**}**

**function validateMobile() {**

**let mobile = document.getElementById("mobileNo").value;**

**let mobileError = document.getElementById("mobileError");**

**mobileError.textContent = "";**

**if (!/^\d{10}$/.test(mobile)) {**

**mobileError.textContent = "Please enter a valid 10-digit Mobile Number";**

**}**

**}**

**function validatePassword() {**

**let password = document.getElementById("password").value;**

**let passwordError = document.getElementById("passwordError");**

**passwordError.textContent = "";**

**let passwordPattern = /^(?=.\*[a-z])(?=.\*[A-Z])(?=.\*\d)(?=.\*[@$!%\*?&])[A-Za-z\d@$!%\*?&]{6,}$/;**

**if (!passwordPattern.test(password)) {**

**passwordError.textContent = "Password must contain 6+ chars, uppercase, lowercase, number, symbol";**

**}**

**}**

**function validateConfirmPassword() {**

**let confirmPassword = document.getElementById("confirmPassword").value;**

**let password = document.getElementById("password").value;**

**let confirmPasswordError = document.getElementById("confirmPasswordError");**

**confirmPasswordError.textContent = "";**

**if (confirmPassword !== password) {**

**confirmPasswordError.textContent = "Passwords do not match";**

**}**

**}**

**function validateForm(event) {**

**validateFirstName();**

**validateLastName();**

**validateEmail();**

**validateMobile();**

**validatePassword();**

**validateConfirmPassword();**

**let errors = document.getElementsByClassName("error-message");**

**let hasError = false;**

**for (let i = 0; i < errors.length; i++) {**

**if (errors[i].textContent !== "") {**

**hasError = true;**

**break;**

**}**

**}**

**if (!hasError) {**

**let firstName = document.getElementById("firstName").value;**

**let lastName = document.getElementById("lastName").value;**

**let email = document.getElementById("email").value;**

**let mobile = document.getElementById("mobileNo").value;**

**alert(`Registration successful!\n\nName: ${firstName} ${lastName}\nEmail: ${email}\nMobile: ${mobile}`);**

**} else {**

**event.preventDefault();**

**}**

**}**

**Screenshot of Output**







