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1 <!-- PRACTICAL-14: Write a JavaScript to perform form validation using regular expression.
2
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6
7 <!-- CODE -->
8
9 <!DOCTYPE html>
10 <html lang="en">
11 <head>
12 <meta charset="UTF-8">
13 <meta name="viewport" content="width=device-width, initial-scale=1.0">
14 <title>PRACTICAL14</title>
15 <style>
16     .error {
17         color: red;
18     }
19     body {
20         font-family: 'Trebuchet MS', 'Lucida Sans Unicode', 'Lucida Grande', 'Lucida Sans', Arial, sans-serif;
21     }
22     #myForm {
23         max-width: 300px;
24         margin: 50px auto;
25         padding: 20px;
26         border: 1px solid #ccc;
27         border-radius: 5px;
28         background-color: #f9f9f9;
29     }
30     input[type="text"] {
31         width: 100%;
32         padding: 8px;
33         margin: 5px 0;
34         box-sizing: border-box;
35     }
36     input[type="password"] {
37         width: 100%;
38         padding: 8px;
39         box-sizing: border-box;
40         margin: 5px 0;
41     }
42     button {
43         width: 100%;
44         padding: 10px;
45         margin-top: 10px;
46         background-color: #5E4DE0;
47         color: white;
48         border: none;
49         border-radius: 20px;
50         cursor: pointer;
51     }
52 </style>
53 </head>
54 <body>
55 <form id="myForm">
56     <h2>VALIDATION</h2>
57     <label for="email">Email:</label><br>
58     <input type="text" id="email" name="email" placeholder="ENTER YOUR EMAIL-ID"><br>
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59 <span id="emailError" class="error"></span><br><br>
60
61 <label for="password">Password:</label><br>
62 <input type="password" id="password" name="password" placeholder="ENTER YOUR PASSWORD"><br>
63 <span id="passwordError" class="error"></span><br><br>
64
65 <button type="submit">Submit</button>
66 </form>
67 <script>
68 document.getElementById("myForm").addEventListener("submit", function(event) {
69 event.preventDefault();
70
71 var email = document.getElementById("email").value;
72 var password = document.getElementById("password").value;
73
74 var emailRegex = /^[^\s@]+@[^\s@]+\.[^\s@]+$/;
75 var passwordRegex = /^(?=.*\d)(?=.*[a-z])(?=.*[A-Z]).{8,}$/;
76
77 if (!emailRegex.test(email)) {
78 document.getElementById("emailError").textContent = "Invalid email address";
79 return;
80 } else {
81 document.getElementById("emailError").textContent = "";
82 }
83
84 if (!passwordRegex.test(password)) {
85 document.getElementById("passwordError").textContent = "Password must be at least 8 characters long and
contain at least one digit, one lowercase letter, and one uppercase letter";
86 return;
87 } else {
88 document.getElementById("passwordError").textContent = "";
89 }
90
91 alert("FORM SUBMIT SUCCESSFULLY!");
92 });
93 </script>
94 </body>
95 </html>
```