

1 <!-- Practical-11: Write a PHP script to perform password validation as per rules given.

2  
3 Name: Angat Shah

4 Enrollment No: 202203103510097

5 Branch: B.Tech Computer Science and Engineering -->

6  
7 <!DOCTYPE html>

8 <html>

9 <head>

10 <title>Practical11</title>

11 <style>

12 body {

13 display: grid;

14 }

15 a,

16 a:hover {

17 color: #333

18 }

19 #btn{

20 margin-bottom: 10px;

21 border-radius: 15px;

22 margin-left:150px;

23 }

24 </style>

25 </head>

26 <body>

27 <h1>Practical11</h1>

28 <form method="POST" action="">

29 <label for="password">Password:</label>

30 <input type="password" name="password" id="password" required>

31 <input type="checkbox" onclick="myFunction()">Show Password

32 <ul>

33 <li>Password must be between 8 and 20 characters long.</li>

34 <li>Password must contain at least one uppercase letter.</li>

35 <li>Password must contain at least one lowercase letter.</li>

36 <li>Password must contain at least one digit.</li>

37 <li>Password must contain at least one special character.</li>

38 </ul>

39 <input type="submit" id="btn" value="Submit" style="width:100px; background-color: lightgreen;  
40 height:30px;">

41 </form>

42  
43 <?php

44 function isPasswordValid(\$password)

45 {

46 \$minLength = 8;

47 \$maxLength = 20;

48 \$requiresUppercase = true;

49 \$requiresLowercase = true;

50 \$requiresDigit = true;

51 \$requiresSpecialChar = true;

52 \$passwordLength = strlen(\$password);

53 if (\$passwordLength < \$minLength || \$passwordLength > \$maxLength) {

54 return "Password must be between 8 and 20 characters long.";

55 }

56 if (\$requiresUppercase && !preg\_match('/[A-Z]/', \$password)) {

57 return "Password must contain at least one uppercase letter.";

58 }

```
58     }
59     if ($requiresLowercase && !preg_match('/[a-z]/', $password)) {
60         return "Password must contain at least one lowercase letter.";
61     }
62     if ($requiresDigit && !preg_match('/[0-9]/', $password)) {
63         return "Password must contain at least one digit.";
64     }
65     if ($requiresSpecialChar && !preg_match('/[^\A-Za-z0-9]/', $password)) {
66         return " ";
67     }
68     return "Password is valid.";
69 }
70
71 $password = $_POST['password'];
72 $validationResult = isPasswordValid($password);
73 echo $validationResult;
74 ?>
75 <script>
76     function myFunction() {
77         var x = document.getElementById("password");
78         if (x.type === "password") {
79             x.type = "text";
80         } else {
81             x.type = "password";
82         }
83     }
84 </script>
85 </body>
86 </html>
```