

Source File: ~/public.html/lab12.php
Input: URL
Output: Standard Output
Value: 2

This assignment is based on Exercise 3-5 on p. 180. Write a PHP program that accepts a string as input and tests whether this string represents a strong password. For this exercise, a strong password must have at least one number, one lowercase letter, one uppercase letter, no spaces, and at least one character that is not a letter or number. (*Hint:* Use the `[~0-9A-Za-z]` character class.) The string should have a minimum length of eight (8) characters and a maximum length of sixteen (16) characters.

Write six regular expressions, one for each of the above six conditions

Your program will accept a string from the URL via which the program is accessed. Let this string represent the password that is to be tested. Display the password and whether it was strong enough. For those passwords that tested not strong enough, display the status of each of the six conditions. The output should be formatted as shown in the instructor's version of this program. You may find it helpful to view the page source after executing some of the test cases and then copy it into your source code.

Some additional notes for this assignment:

- Insert an HTML comment at the top of the document identifying you as the author, the class, and the assignment number.
- Add an echo statement to the beginning of the script section that will display your name, the course number, and the assignment number.
- Since this assignment uses several PHP code blocks, it's always a good idea to check for syntax errors. You can do this by using the `-l` option to the `php` command at the command line as in

```
1 newuser@csunix ~/public_html> php -l lab12.php
2 No syntax errors detected in lab12.php
```

- You should always validate the rendered HTML code. The validator is discussed near the top of p. 6 and in Appendix A on pp. 629–631. By including the following link and image, a user will be able to click the image and receive a report from the validator.

```
1 <?php
2 $location = 'https://' . $_SERVER['HTTP_HOST'] . $_SERVER['REQUEST_URI'];
3 $location = urlencode($location);
4 echo '<a href="https://validator.w3.org/nu/?doc=' . $location . '">';
5 ?>
6 
8 </a>
```

After the document is valid, open it in your Web browser to see how it renders.

Upon completion of this assignment, submit your source file via Blackboard.