



Congratulations! You passed!

TO PASS 80% or higher

Keep Learning

GRADE

100%

Practice Quiz: Processing Log Files

TOTAL POINTS 5

1. You have created a Python script to read a log of users running CRON jobs. The script needs to accept a command line argument for the path to the log file. Which line of code accomplishes this?

1 / 1 point

- ☐ import sys
- ☒ syslog=sys.argv[1]
- ☐ print(line.strip())
- ☐ usernames = {}



Correct

Right on! This will assign the script's first command line argument to the variable "syslog".

2. Which of the following is a data structure that can be used to count how many times a specific error appears in a log?

1 / 1 point

- ☒ Dictionary
- ☐ Continue
- ☐ Get
- ☐ Search



Correct

Great work! A dictionary is useful to count appearances of strings.

3. Which keyword will return control back to the top of a loop when iterating through logs?

1 / 1 point

- ☒ Continue
- ☐ Get
- ☐ With
- ☐ Search



Correct

Excellent! The continue statement is used to return control back to the top of a loop.

4. When searching log files using regex, which regex statement will search for the alphanumeric word "IP" followed by one or more digits wrapped in parentheses using a capturing group?

1 / 1 point

- ☐ 1 `r"IP \(\d+\)$"`
- ☐ 1 `b"IP \((\w+)\)$"`
- ☒ 1 `r"IP \((\d+)\)$"`
- ☐ 1 `r"IP \((\D+)\)$"`



Correct

Awesome! This expression will search for the word "IP" followed by a space and parentheses. It uses a capture group and \d+ to capture any digit characters found in the parentheses.

5. Which of the following are true about parsing log files? (Select all that apply.)

1 / 1 point

☐ Load the entire log files into memory.

☒ You should parse log files line by line.



Correct

Well done! Since log files can get pretty large, it's a good idea to parse them one line at a time instead of loading the entire file into memory at once.

☒ It is efficient to ignore lines that don't contain the information we need.



Correct

Right on! We can save a lot of time by not parsing lines that don't contain what we need.

☒ We have to ***open()*** the log files first.



Correct

Nice job! Before we can parse our log file, we have to use the ***open()*** or ***with open()*** command on the file first.