



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 point

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

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 point

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

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

1 point

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

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 point

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

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

1 point

- ☐ Load the entire log files into memory.
- ☒ You should parse log files line by line.
- ☒ It is efficient to ignore lines that don't contain the information we need.
- ☒ We have to *open()* the log files first.

- ☒ I, **Piyush Sambhi**, understand that submitting work that isn't my own may result in permanent failure of this course or deactivation of my Coursera account.

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