[Lab-Python] Subprocess

Using the subprocess module

The goal of this lab is to retrieve a list of processes from your system to work with.

# Part 1)

Getting data from the system.

1. Use the subprocess module command ‘run’ to call
   * **ps -axco command**
     + Test running this directly from the bash shell to see what data it returns. This will be what gets stored into your ‘stdout’ variable
     + Note: The ‘command’ key word prints out the full command that was used to run the process.
2. Make sure to PIPE stdout
3. Store the ‘CompleatedProcess’ return value in a variable named ‘**myProc**’

# Part 2:

Extract the data from your ‘myProc’ variable and format it into something we can use

1. Use decode() to extract the string data out of ‘stdout’ in your ‘myProc’ variable.
   * Save this into a variable named ‘myProcString’
2. Use split(‘\n’) to create a list from your decoded data
   * Save this into a variable named ‘myProcList’

# 

# Part 3:

Now that you have a list of of processes do the following

1. Count the number of processes in the list using the ‘len()’ function
   * Extra Credit: The first element in the list will be the field header which is not a process. Use slicing to skip this first element before using the ‘len()’ function.
2. Use a simple for loop to print out all of the process name one line at a time (Note: This should look a lot like just running the command in Bash)

