[Lab-Python] File Data Interactions

The goal of this lab is to retrieve and process the data from a file in different ways.

1. Open the “/etc/passwd” file using read only access and save the full file contents to a **str** data type (Note: you will need to select the correct read function to return a string).

Use the len() function to get the size? 3044\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What is the len() function counting? Characters\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

When would you use this technique? Find out how many characters are in a file. Not terribly useful in this format unless you’re comparing files or something.

1. Open the “/etc/passwd” file using read only access and save the full file contents to a **list** data type (Note: you will need to select the correct read function to return a list).

Use the len() function to get the size? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What is the len() function counting? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

When would you use this technique? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Open the “/etc/passwd” file using read only access and save the full file contents **one line at a time**. (Note: you will need to select the correct read function to return one line at a time and store it during each iteration of the loop).

The len() function will not work here, how do you get the total file length? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What is the total file size? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

When would you use this technique? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_