Questions for lab 1 Due on 9/19

Answer in complete sentences.

1. What is “shell program”?

It is a file that contains standard shell and Unix commands, the same commands we use in the terminal. These commands are executed by running the program.

1. What is the reason for using a shell program?

Shell programs can be used for the automation of tasks and processes.

1. How do you make a *shell(.sh) file* executable?

To make the .sh file executable you navigate to the file with the scripts, and type [chmod +x name.sh]. To run it you type [./name.sh]

1. What is the difference between creating a *shell program* and regular program? A shell program is not compiled, it is interpreted, therefore it is able to run with errors
2. What is the difference between running program with and without *exec?*

Using *exec* command does not create a new process, it replaces the bash itself with the command that needs to be executed

1. What does the ps command do, and how can it be useful for you?

The ps command provides information about the current processes running, and is useful to us because we can view the amount of processes running, along with their identification numbers.

1. Why do we need 3 sets of file permission for a file or folder?

We need 3 sets, because they are offered to different groups. The first set represents the permission for the user/owner. The second set represents the permissions of the group the file is a part of. The last set represents permissions for other users of the system.