CIS-350
Infrastructure Technologies
Lab 4 Report

Student Name: _____ **Adam Schweitzer**_____

Your home directory is your login directory. Linux commands are case sensitive, the vast majority of them is in lower case. File names are also case sensitive. Open pico/nano/vi editor and type a brief evaluation of the lab. Describe what commands worked and what did not? Change a directory on your local machine to the Desktop and download the evaluation file to the Desktop of your local computer using a PSFTP client and command *get*. Open the file in Notepad/Word, print it, and attach to this report. Do not <u>use</u> Notepad/Word to type your evaluation. The PSFTP commands such as *lpwd* and *lcd* would be useful to check the default directory and change the directory, respectively, on your local machine. In PSFTP use command *help* to display the list of commands.

1. What command would you use to create a new file named *MyNames* using a *vi* editor?
    _____vi MyNames_____

2. What command would you use to create a new file named *Names* using a *pico* editor?
    _____pico Names_____

3. What command would you use to compile program *program4.c* written in C language?
    _____cc program4.c_____

4. What command would you use to display the directory in a long form, including invisible files? Use piping to prevent the listing to scroll off the screen.
    _____ls -al | more_____

5. What command would you use to sort in the ascending order the data coming from a text file named *MyNames* and routing the output to a file *NamesSorted*? Execute the command in <u>foreground</u>.
    _____sort MyNames > NamesSorted_____

6. What command would you use to sort in the descending order the data coming from a numeric file named *MyNumbers* and routing the output to a file *MyNumbersSorted*. Execute the command in <u>background</u>.
    _____ sort MyNumbers > MyNumbersSorted $_____

7. What command would you use to deny <u>yourself</u> (the owner) the <u>write</u> and <u>execute</u> authority to a file named *NamesSorted*?
    _____chmod u-we NamesSorted_____

8. How would you use the *alias* command to change the *cp* command to the *copy* command for the <u>current</u> log in session?
    _____stty copy cp_____

9. What commands/keys would you use to start (record) and end your interactive session with Unix/Linux, and save it in file MyLab?   _____script MyLab_____

10. What command would you use to display the terminal control-key settings? _____stty -a_____

11. What command would you use to display a banner for *Joe*? _____banner Joe_____

12. What command would you use to compile a C program named *program4.c* and save an object file (if compilation is successful) in a file named *program4*.
    _____ cc –o program4 program4.c _____
13. What steps/commands are needed to move a task/process already running in foreground to background?
    a. _____jobs_____   b. _____bg (task ID #)_____

14. Say, that Linux assigned the job/task id number = 5 to a task running in background. What command would you use to move this task/process from background to foreground? _____fg 5_____

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