**CIS-350  
Infrastructure Technologies**

**Lab 4 Report**

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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 your desktop using a PSFTP client and command *get*. Print the file and attach it to this report. To download, 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 MyName\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

\_\_\_\_\_pico Names\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

\_\_\_\_\_\_\_cc program4.c\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. 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\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. 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 foreground.  
   \_\_\_\_\_sort MyNames >NamesSorted\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. 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 background.  
   \_\_\_\_\_sort -nr MyNumbers > MyNumbersSorted\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. What command would you use to deny yourself (the owner) the write and execute authority to a file named *NamesSorted*?  
   ­­­­­­­­­­­­­­­­­­­­­­\_\_\_\_chmod u-wx NamesSorted\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. How would you use the *alias* command to change the *cp* command to the *copy* command for the current log in session?  
   \_\_\_\_alias copy=cp\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. What commands/keys would you use to start (record) and end your interactive session with Unix/Linux, and save it in file MyLab? \_Start: script MyLab

End: Control D\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. What command would you use to display the terminal control-key settings?

\_\_\_stty -a\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. What command would you use to display a banner for *Joe*? \_\_\_\_\_\_banner Joe\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. 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\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_