

**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 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 foreground.  
**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 background.  
  
**sort -nr < MyNumbers > MyNumbersSorted**
7. What command would you use to deny yourself (the owner) the write and execute authority to a file named *NamesSorted*?  
**chmod g-wx NamesSorted**
8. 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**
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 Lab4 > 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**