

**CIS-350**  
**Infrastructure Technologies**  
**Lab 4 Report**

**Student Name: Nicole Smith**

Note that commands and filenames in Linux/Unix are case-sensitive.

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 -r < MyNumbers > MyNumbersSorted &**

7. What command would you use to deny yourself (the owner) the write and execute authority to a file named *NamesSorted*?

**chmod u-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 command 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'**

Comments from Lab 4:

Everything worked for this lab.

Dr. J. Zurada, CIS