**CIS-350  
Infrastructure Technologies**

**Lab 4 Report**

**Student Name**: **Damon Quire**

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

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?

gcc -o program4 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 -d \*/ | 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.

$ fg % $ sort MyNames > NamesSorted

1. 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.

$ bg % $ sort -n MyNumbers > MyNumbersSorted

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

chmod -x NamesSorted

1. How would you use the *alias* command to change the *cp* command to the *copy* command for the current log in session?  
   alias cp=”copy”
2. What command would you use to start (record) and end your interactive session with Unix/Linux, and save it in file MyLab?  
   startx

$ script MyLab

1. What command would you use to display the terminal control-key settings?  
   xwininfo ctrl
2. What command would you use to display a banner for *Joe*?  
   $ figlet Joe