CSCD 240
Lab 2

NOTE: Capture means copy and paste from a command line into a text editor. "Capture command xyz" means to capture the xyz command AND its resulting output. If the question does not say capture still capture all the commands.

1. Clearly explain why programs should be placed in /bin or /usr/bin.

2. You are asked to use a program named mystery which you have never used before. Explain how you would find information on the program and what it does. List all the ways (Google/Bing is not an option)

3. There are many other environment variables available to the user. One such variable is $HOME. In your current shell capture your current $HOME. Now change HOME to be /bin. Capture the command. Issue a cd and pwd to illustrate the environment variable has changed. Close your terminal and reopen it.

4. In class we discussed the use of the accent (back tick) for when it comes to executing the date command. Can you use the accent on the ls command? How would you use the accent on the ls command? Capture the usage of the accent on the ls command.

5. Capture the output of the file command on the chmod executable. (Where does chmod live?) Explain the information being displayed.

6. Capture the output of the stat command on the chmod executable. Explain the information being displayed.

7. Try and delete chmod. Did it delete why or why not?

8. Try and delete chmod and capture the output from standard error to a file named err.txt

9. Capture the command to create test1, test2, test3, test33, stu1, stu2, stu22.

10. Using meta characters and a single ls command list all files named test.

11. Using meta characters and a single ls command list only the files with the number 2 or 22 in them.

12. Using meta characters and a single ls command list only the files with a single 2 not 22 in them.

13. In your home directory, capture the ls command piped to more, and the output from more.

14. Issue the which command on ls. Was and where was the command found?

15. Issue the which command on pthread.h. Was the command found? If it was not found why not? How would you modify this.

16. Using only octal values add executable access to test1, test2, test3.

17. Using only alphanumeric characters remove read access from stu1 and stu2.

18. Execute help set

19. Set the noclobber option on err.txt

20. Issue an ls –al redirected to err.txt. What was the output and why?

21. Remove the noclobber option from err.txt

22. Explain the --help option for a program.

23. Explain double quotes, single quotes and the accent

TO TURN IN:

- A PDF file - Name this text file your last name, first letter of your first name lab2.pdf. This file will contain all your answers. I want the question copied and then the answer to the question below it.

- A zip file that contains your pdf, your err.txt, your test and stu files.

You zip will be named your last name first letter of your first name lab2.zip (example steinerslab2.zip)