## **CIS-350 Infrastructure Technologies**

**Lab 5 Report**

**Student Name**: **Jimi Porter**

Your home directory is your login directory. Linux commands are case sensitive. The vast majority of them is written in lower case. File names and directory names are also case sensitive. For example, John and john are two different files.

1. What does the *echo $SHELL* command do? Describe briefly. **Answer: This commands helps you find out which shell is the login shell.**
2. What command would you use to output the directory listing (in a long form and including invisible files) to both the computer screen and file *MyNames* at the same time? **Answer: Is -al | tee MyNames**
3. Assume a file named *FirstNames* that you created in your home directory contains several spelling errors. What command would you use to find these errors in file *FirstNames*? **Answer: spell FirstNames**
4. Assume that you created a script file named *DisplayMenu*. What command would you use to execute the script file? **Answer: ./DisplayMenu**
5. What command would you use to display the first 3 lines in a file named *Prog4.c*? **Answer: head -3 Prog4.c**
6. What command would you use to display the calendar for year 2019? **Answer: cal 2019**
7. What command would you use to put a current shell to sleep for 100 seconds? **Answer: sleep 100**
8. Assume that a file named *FirstNames* exists in your home directory. What would the command *wc FirstNames* generate? Describe. **Answer: This would generate the line, word, and character count within the file named FirstNames and would output the result to the screen.**
9. Assume that a file named *FirstNames* exists in your home directory. What command would you use to find all occurrences of word *Mary* in file *FirstNames*? **Answer: grep Mary FirstNames**
10. What is the command to display the current date? **Answer: date**
11. A command that clears the screen is: **Answer: clear**
12. What does a command *chmod u-rw+x designmenu* do? Briefly describe. **Answer: The command allows the user to have accessibility to designmenu file, it gets rid of the read and write ability but allows for the execute ability.**
13. An *ls –al Prog4.c* command displayed the following attributes of file *Prog4.c*. Describe all attributes, including the 3 groups of users, access permissions given to each of the 3 groups of users and the permission types.  
    *- r-x r-- --- absmit20 550 Nov 3 16:45 2019 Prog4.c***Answer: The owner has permission for the read and execute ability for the file. Users that are a part of the owners’ group have read ability for the file. Then the rest of the users don’t have permission for the abilities like read, write, and execute.**
14. Describe briefly which commands did not work. **Everything worked fine.**