## **CIS-350 Infrastructure Technologies**

**Lab 5 Report**

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1. What command would you use to find out which shell is your log in shell?

Echo $

This will display the type of shell

1. 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 *myfile* at the same time?  
   ls-l | tee myfile
2. Assume a file named *Fruits* that you created in your home directory contains several spelling errors. What command would you use to find these errors in file *Fruits*?  
   spell Fruits
3. Assume that you created a script file named *MyMenu*. What command would you use to execute the script file?  
   chmod +x MyMenu
4. What command would you use to display the first 4 lines in a file named *prog1.c*?  
   head -4 prog1.c
5. What command would you use to display the calendar for year 2017?  
   $ cal 2017
6. What command would you use to put a current shell to sleep for 50 seconds?  
   sleep 50
7. Assume that a file named *MyNeighbors* exists in your home directory. What would the command *wc MyNeighbors* generate? Describe.

It would show a series of numbers, the first being the number of new lines in the file, the second being the number of words in the file, the 3rd being the number of bytes, and the 4th thing in the sequence will be the name of the file.

1. Assume that a file named *LastNames* exists in your home directory. What command would you use to find all occurrences of word *Brown* in file *LastNames*?  
   grep -roh Brown LastNames | wc -w
2. What is the command to display the current date?  
   date
3. An *ls –al myfile.c* command displayed the following attributes of file *myfile.c*. Describe all the attributes, including the access permissions given to the three groups of users and the permission types.  
   - rwx r-x r-- asbrow15 250 Nov 20 15:45 myfile.c

The owner has read, execute and write authority. The group has read and execute authority over it. Everyone has read authority. Asbrow15 is the owner of the file. The 250 is the size in bytes. The date is the date of the last modification. The last prtion is the name of the file.