## **CIS-350 Infrastructure Technologies**

**Lab 5 Report**

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Your home directory is your login directory. Linux commands are case sensitive, the vast majority of them is in lower case. File and directory names are also case sensitive.

1. What does the *echo $SHELL* command do? Describe briefly

**The command echo $SHELL allows us to find out which shell is the login 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 *MyNames* at the same time? **ls – al | tee MyNames**
2. 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*? **spell FirstNames**
3. Assume that you created a script file named *DisplayMenu*. What command would you use to execute the script file?

**./DisplayMenu**

1. What command would you use to display the first 3 lines in a file named *Prog4.c*? **head -3 Prog4.c**
2. What command would you use to display the calendar for year 2019? **cal 2019**
3. What command would you use to put a current shell to sleep for 100 seconds? **sleep 100**
4. Assume that a file named *FirstNames* exists in your home directory. What would the command *wc FirstNames* generate? Describe. **The command would list the number of line, words and characters in FirstNames**
5. 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*? **grep Mary FirstNames**
6. What is the command to display the current date? **date**
7. A command that clears the screen is? **clear**
8. What does a command *chmod u-rw+x designmenu* do? Briefly **describe. chmod u-rw remove the read and write and write permission from the owner to entity designmenu, however the +x give and execute permission to the owner to the designmenu**.
9. An *ls –al Prog4.c* command displayed the following attributes of file *Prog4.c*. Describe all the 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***- Owner permissions= r-read, x-execute no w-write permission was given. User-group permission= r-read only permission was given which means they can’t write or execute. Other users = no permission given --- which means they do not have access to read, write or execute. absmit20 is the owner. 550 is the size, nov 3 16:45 2019 is last modification time, Prog4.c is the entity.**
10. Describe briefly which commands did not work. The spell command did not work

Command 'spell' not found, but can be installed with:

apt install spell

Please ask your administrator.