

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 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. the command echo \$SHELL would be used to figure out which shell is your log 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? la -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`? spell FirstNames
4. Assume that you created a script file named `DisplayMenu`. What command would you use to execute the script file?  
./DisplayMenu
5. What command would you use to display the first 3 lines in a file named `Prog4.c`? head -3 Prog4.c
6. What command would you use to display the calendar for year 2019? cal 2019
7. What command would you use to put a current shell to sleep for 100 seconds? sleep 100
8. Assume that a file named `FirstNames` exists in your home directory. What would the command `wc FirstNames` generate? Describe. It would generate the number of lines, words, and letters in the file FirstNames.
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`? grep Mary FirstNames
10. What is the command to display the current date?  
date
11. A command that clears the screen is the clear command.
12. What does a command `chmod u-rwx designmenu` do? Briefly describe. the command chmod u-rwx designmenu would allow the user to execute any command in the designmenu file but, would not allow the user to read or write in the designmenu.
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  
File Prog4.c, Prog4 is the filename and c is the extension of the file. It was last modified on Nov 3, 2019 at 16:45. It belongs to absmit20. It has a size of 550 bytes. The first 3-tuple, r-x, indicates that the owner or user is only allowed to read and execute the file. The second 3-tuple, r--, this means that all other users only have the authority to read, not write or execute.
14. Describe briefly which commands did not work. I did not have a problem with any of the problems in this report.