## **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. \_\_\_ Displays which shell is the log in 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? \_\_\_ ls -al | who 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 number of lines, words, and characters in 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 \_\_\_\_\_\_\_\_\_\_\_\_\_\_clear\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
12. What does a command *chmod u-rw+x designmenu* do? Briefly describe.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Takes away from the user or owner the read and write permissions and grants them the execute permission to file 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*

first hyphen indicated Prog4.c is an ordinary file, first (r-x) gives owner read and excute permission, second (r--) givens users in owners group have only read permission, third (---) gives all other users no permissions to access file, owner is absmit20, 550 bytes, file was created on November 3 2018 at 4:45pm, Prog4 is the name and c is the file extension. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Describe briefly which commands did not work. \_N/A\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
   \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
   \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_