## **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. \_\_\_\_\_\_

**It displays which shell is the log in 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 | who 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** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. What command would you use to display the first 3 lines in a file named *Prog4.c*? \_\_\_\_\_\_\_ **head -3 Prog4.c** \_\_\_\_\_\_\_
5. What command would you use to display the calendar for year 2019? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **cal 2019** \_\_\_
6. What command would you use to put a current shell to sleep for 100 seconds? \_\_\_\_\_\_\_\_\_\_\_\_\_**sleep 100**\_\_\_\_\_\_\_\_\_\_\_
7. Assume that a file named *FirstNames* exists in your home directory. What would the command *wc FirstNames* generate? Describe. \_\_\_\_\_\_**number of lines, chars, and words in FirstNames**\_  
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8. 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** \_\_\_\_\_\_\_\_\_
9. What is the command to display the current date? \_\_\_\_\_\_\_\_\_\_**date**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
10. A command that clears the screen is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**clear**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
11. What does a command *chmod u-rw+x designmenu* do? Briefly describe. Thi

**This takes the read/write permissions away from the owner and grants execute permissions on designmenu**

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1. 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***In order: – means ordinary file r-x means there are read and execute perms. No write perms. r—means just read perms. – means no access. Owner is absmit20. Space it takes is 550 bytes. Made on November 3rd at 4:45pm in 2019. It is a C program named Prog4.**  
   \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
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2. Describe briefly which commands did not work. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
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