

**CIS-350**  
**Infrastructure Technologies**  
**Lab 3 Report**

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Linux commands are case sensitive, the vast majority of them is in lower case. File names are also case sensitive. Open pico/nano/vi editor and type a brief evaluation of the lab. Describe what commands worked and what did not? Change a directory on your local machine to the Desktop and download the evaluation file to the Desktop of your local computer using a PSFTP client and command *get*. Open the file in Notepad/Word, print it, and attach to this report. Do not use Notepad/Word to type your evaluation. The PSFTP commands such as *lpwd* and *lcd* would be useful to check the default directory and change the directory, respectively, on your local machine. In PSFTP use command *help* to display the list of commands.

1. What command displays your working directory? \_\_\_\_\_ pwd \_\_\_\_\_
2. What command moves you to the parent directory? \_\_\_\_\_ cd \ \_\_\_\_\_
3. What command moves you to the root directory from anywhere? \_\_\_\_\_ cd \_\_\_\_\_
4. What command displays all files and directories in a short form? \_\_\_\_\_ ls -a \_\_\_\_\_
5. What command displays all files (excluding invisible files) and directories in a long form (with all attributes)?  
\_\_\_\_\_ ls -l \_\_\_\_\_
6. What command displays the contents of file *mary*? \_\_\_\_\_ cat mary \_\_\_\_\_
7. What command allows you to get the manual on-line help on the *mkdir* command? \_\_\_\_\_ man  
mkdir \_\_\_\_\_
8. What command would you use to sort (in the ascending order) data coming from a numeric file *MyNumbers* and reroute the sorted output to a file *MyNumbersSorted*? \_\_\_\_\_ cat MyNumbers |  
sort -n > MyNumbersSorted \_\_\_\_\_
9. Display the content of the directory in a long form. Include invisible files and protect the directory list from scrolling off the screen. \_\_\_\_\_ ls -a | more \_\_\_\_\_
10. What command would you use to open the *pico* editor to create file *students*? \_\_\_\_\_ pico  
students \_\_\_\_\_
11. What command would you use to open the *vi* editor to create file *joe*? \_\_\_\_\_ vi joe \_\_\_\_\_
12. What command would you use to remove the directory *letters*? \_\_\_\_\_ rmdir letters \_\_\_\_\_
13. What command is used to change the password? \_\_\_\_\_ passwd \_\_\_\_\_
14. What does the command *cat mary > letters* do? **It shows all the information in mary and then creates a new file called lettes and assigns the values in mary to it.** \_\_\_\_\_  
\_\_\_\_\_
15. Assume that your home directory is your login directory. Write a script file below that
  - (a) moves you to your home directory from anywhere
  - (b) creates 4 directories named *joe1*, *joe2*, *joe3*, and *joe4* under your home directory
  - (c) copies all files with extension *c* from your home directory to the *joe1* directory
  - (d) changes your home directory to the *joe1* directory
  - (e) displays all files in a long form including invisible files in the *joe1* directory and protects the files from scrolling off the screen
  - (a) \_\_\_\_\_ cd \_\_\_\_\_
  - (b) \_\_\_\_\_ mkdir joe1 joe2 joe3 joe 4 \_\_\_\_\_
  - (c) \_\_\_\_\_ cp \*.c >> joe1 \_\_\_\_\_
  - (d) \_\_\_\_\_ cd joe1 \_\_\_\_\_
  - (e) \_\_\_\_\_ ls -a | more \_\_\_\_\_