

CIS-350
Infrastructure Technologies
Lab 3 Report

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(Your home directory is your login directory.)

1. What command displays your working directory? **pwd**
2. What command moves you to the parent directory? **Cd..**
3. What command allows one to go to the root directory? **cd /**
4. What command displays all files and directories in a short form? **ls**
5. What command displays all files (excluding invisible files) and directories in a long form? **ls -l**
6. What command displays the content of a file *mary*? **cat mary**
7. What command allows one to obtain the manual on-line help on the *mkdir* command? **man mkdir**

For answers to questions 8 and 9 you may have to refer to the class notes posted on Blackboard. This material is covered more explicitly in Lab 4. It was also covered in class demos o Linux.

8. What steps/commands are needed to move a task/process already running in foreground to background?
a. **^Z** b. **bg**
9. Say, that Linux assigned the job id number = 5 to a task running in background. What command would you use to move this process from background to foreground? **fg 5**
10. 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*?

Sort < My Number > MyNumberSorted

11. Display the content of the directory in a long form. Include invisible files and protect the directory list from scrolling off the screen. **ls -al | more**
12. What command would you use to open the *pico* editor to create a file *students*? **pico students**
13. What command would you use to open the *vi* editor to create a file *joe*? **vi joe**
14. What command would you use to remove the directory *letters*? **rmdir letters**
15. What command is used to change the password? **passwd**
16. What does the command *cat mary > letters* do? **It's concatenate utility Displays the content of the file**
17. 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 joe4**
- (c) **cp *.c joe1**
- (d) **cd joe1**
- (e) **ls -la ls-al | more**

Eval:

I have completed Lab 3 assignment, all of the commands worked. The most challenging part I found in the lab Question # 10; where we have to sort data coming from a numeric file.