CIS-350
INFRASTRUCTURE TECHNOLOGIES

GROUP LAB 1 REPORT

Group # and Student Name(s): **_Group 13 and Helen Le**

Worth 50 points **Due Date: See Blackboard**

Though this is a Group Lab 1 Report, you must work this hands-on Lab 1 individually. After **you do that, get in groups, discuss and provide answers to the following problems, and submit this report, one per group, to Blackboard. When you work Lab 1 hands-on, you are likely to do better on Test 3 which will cover the operating systems part of the course.**

You must use this template to submit Group Lab 1 Report.

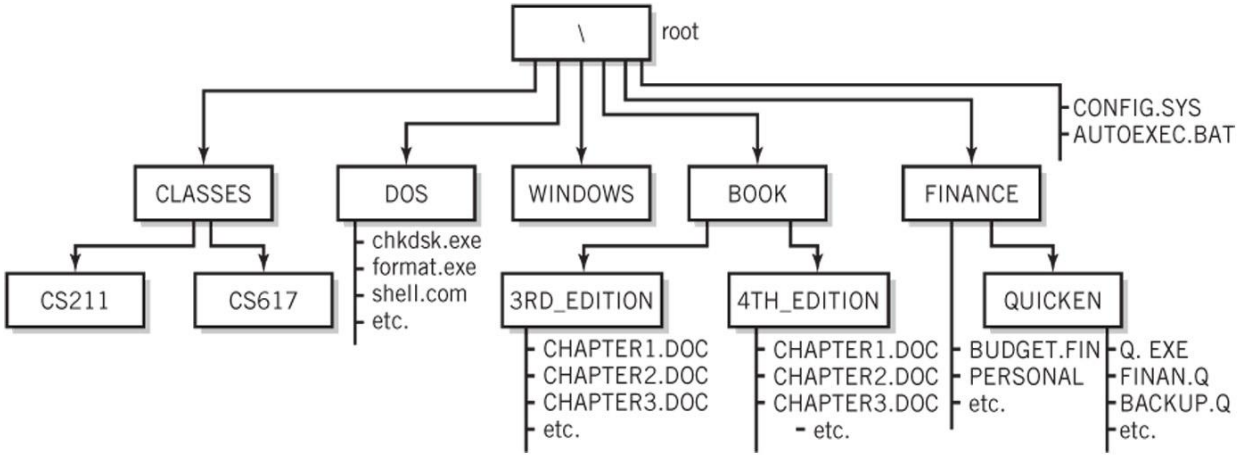
1. Insert *Lab1_Tree* file from p. 25 of the Lab1 instructions into the space provided or use the *Alt-PrtScr* keys to capture the full screen output (full window) from command *TYPE Lab1_Tree* on p. 25 and paste that window here. One screen capture/shot from any group member will do. Choose the one that you think is closest to the solution, i.e. it contains all the necessary folders and files in them. (20 points)

```
D:\Lab1Redo\Letters>CD ..

D:\Lab1Redo>TREE /F > Lab1_Tree

D:\Lab1Redo>TYPE Lab1_Tree
Folder PATH listing
Volume serial number is DD53-C0E6
D:.
a   Lab1_Tree
a
+---Letters
a       First_Names.txt
a       Sally.txt
a       Tom.txt
a       Jim
a       First_Names_Sorted
a       Lst.dat
a
+---Book
a       Asgn1.txt
a       Sally.txt
a       Tom.txt
a
+---Ws
        Chap1.txt
```

2. Below you have the following directory structure. At the top there is the root directory denoted by a backslash "\". *CLASSES*, *DOS*, *WINDOWS*, *BOOK*, *FINANCE*, etc. are the names of subdirectories residing under the root directory; *CONFIG.SYS* is the name of a file residing in the root directory, and *chkdsk.exe*, *CHAPTER1.DOC*, *Q.EXE*, etc. are the names of the files stored in the subdirectories. The system prompt displays "*C:*\>" which means that the current/default drive is *C* and the current/default directory is the root directory "\". The root directory "\" is just the origin for other directories/subdirectories. (30 points)



All questions 2.a through 2.k are based on the above directory diagram. For questions 2.a through 2.e assume the prompt "*C:*\>" is displayed.

a. Write a command to copy file *AUTOEXEC.BAT* to directory *DOS*. The copied file should have the same name as the original file, i.e., *AUTOEXEC.BAT*.

   COPY AUTOEXEC.BAT DOS\

b. Write a command to copy file *AUTOEXEC.BAT* to directory *CIS617*. The copied file should have new name *AUTOEXEC5.BAT*

   COPY AUTOEXEC.BAT CLASSES\CIS617\AUTOEXEC5.BAT

c. Write a single command to copy all files whose names start with letter *C* from directory *4TH_EDITION* to directory *WINDOWS*. Use the wildcard(s) *.

   COPY BOOK\4TH_EDITION\C* WINDOWS\

d. Write a single command to erase from directory *4TH_EDITION* all files whose names start with CH. Use the wildcard *.

   DEL BOOK\4TH_EDITION\CH*

e. How many files would be erased by the command from point d above? ___ 3_____

f. Look at the diagram. Assume that prompt "*C:\FINANCE*>" is displayed, meaning that the current/default drive is *C* and the current/default directory is *\FINANCE*. Write two separate *SORT* commands. Each of the two commands would accept input from file *NAMES* and sort the file *NAMES* in the reverse order. The first command would route the output to file *NAMES_SORTED*, and the second one would append the output to file *NAMES_SORTED*.

SORT /R NAMES > NAMES_SORTED
SORT /R NAMES >> NAMES_SORTED

g. You are still in directory \FINANCE. Assume that *BUDGET.FIN* is a large file. What command that uses a piping operation would you use to display the contents of the file one screen at a time (to prevent the output from scrolling off the screen)?

TYPE BUDGET.FIN | MORE

h. Look at the diagram. Assume that prompt "*C:\CLASSES*>" is displayed. Write the command which would change the current directory to the root directory \.

CD ..

i. Assume that you are in the root directory \. Write a command or two commands that would create two new directories *JOE1* and *JOE2* under the root directory.

MKDIR JOE1

MKDIR JOE2

j. Assume that you are in the directory *CLASSES*. What command would you use to move to directory CIS211 from directory CLASSES.

CD CIS211

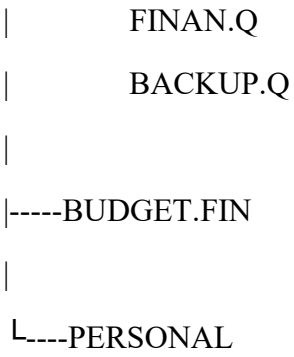
k. Look at the diagram. Assume that prompt "*C:\FINANCE*>" is displayed. In the space provided, sketch the directory structure with the subdirectory and file names which would command *TREE* /F generate.

C:\FINANCE

|

|----QUICKEN

| Q.EXE


FINAN.Q
BACKUP.Q
BUDGET.FIN
PERSONAL

l. Now assume that the "C:\ " prompt is displayed. Using a piping operation | and then the output redirection >, write a single command that would pass the output from the DIR command as an input to the SORT command and the output from the SORT command would be directed to a file named *Directory_Sorted.*

DIR | SORT > Directory_Sorted

m. What does the command DIR | SORT | MORE do? Describe briefly.

DIR will list the files and directories in a temporary file.

SORT will arrange this list alphabetically.

MORE will then display the sorted list one page at a time, so that it doesn't scroll off the screen.

It is used when viewing large directories.

Output of DIR becomes input for SORT. Output for SORT becomes input for MORE. MORE displays one screen at a time.

3. Optional. Briefly describe any issues with the commands which did not work. Point me to the specific pages and suggest changes. Thanks.

The lab worked great for me! All the commands functioned properly. My only issues came with my own misreadings, which led to some disruptances.