

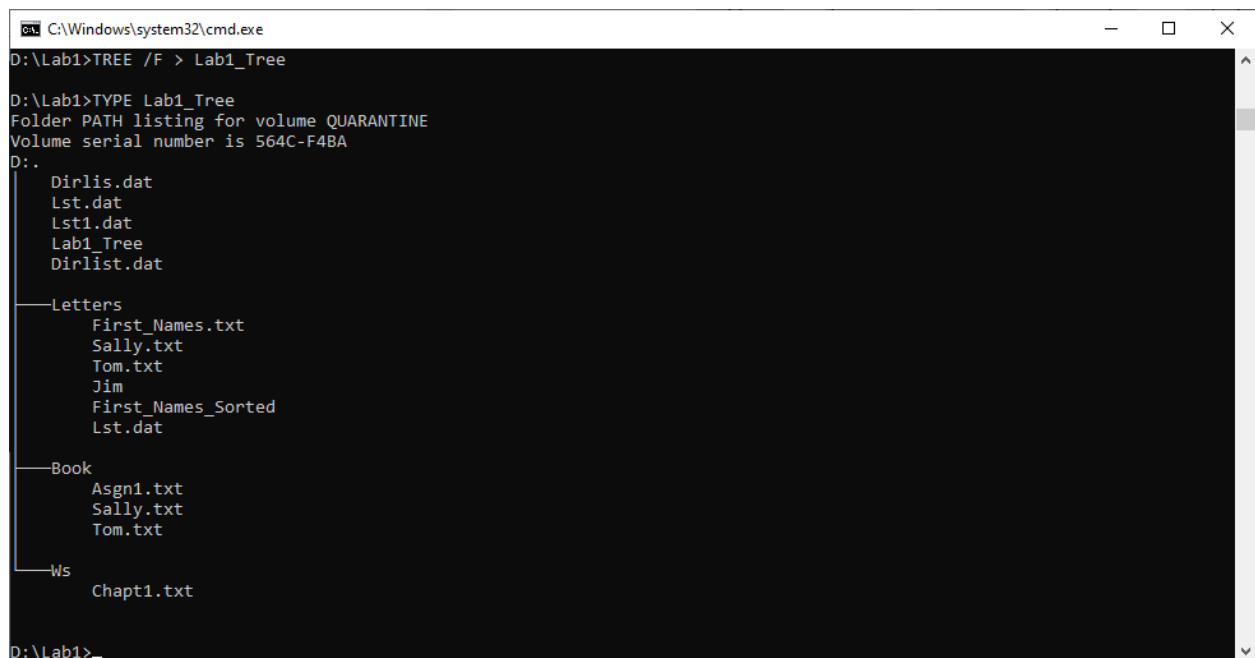
**CIS-350**  
**Infrastructure Technologies**

**Lab 1 Report**

**Student Name:** Brandon Berney

**You must use this template to hand in Lab1 Report.**

1. Insert the *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.



```
C:\Windows\system32\cmd.exe
D:\Lab1>TREE /F > Lab1_Tree

D:\Lab1>TYPE Lab1_Tree
Folder PATH listing for volume QUARANTINE
Volume serial number is 564C-F4BA
D:..
  Dir1is.dat
  Lst.dat
  Lst1.dat
  Lab1_Tree
  Dir1ist.dat

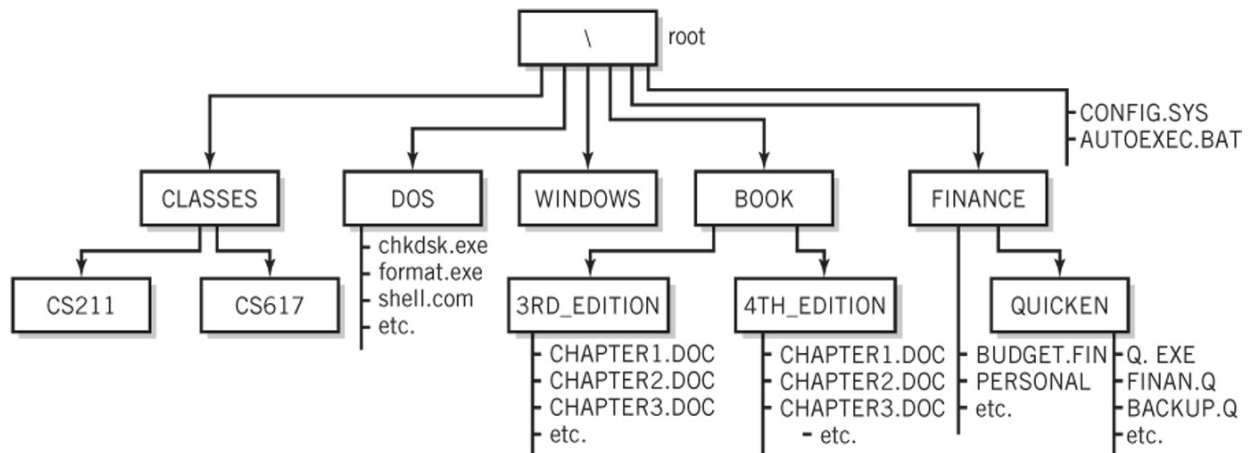
  Letters
    First_Names.txt
    Sally.txt
    Tom.txt
    Jim
    First_Names_Sorted
    Lst.dat

  Book
    Asgn1.txt
    Sally.txt
    Tom.txt

  Ws
    Chapt1.txt

D:\Lab1>
```

- 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.



All questions (a) through (j) are based on the above directory diagram. For questions (a) through (f) assume the prompt "*C:\>*" is displayed.

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

**COPY CONFIG.SYS \DOS**

- Write a command to copy a file *CONFIG.SYS* to directory *QUICKEN*. The copied file should have new name *CONFIG1.SYS*.

**COPY CONFIG.SYS \FINANCE\QUICKEN**

- Write a single command to copy all files whose names start with letter *C* from directory *4TH\_EDITION* to directory *FINANCE*.

**COPY \BOOK\4TH\_EDITION\C\* \FINANCE**

- Write a single command to erase from directory *4TH\_EDITION* all files whose names start with letter *C*.

**ERASE \BOOK\4TH\_EDITION\C\***

- How many files would be erased by the command from p. (d) above? **3**

- Assume that *AUTOEXEC.BAT* is a large file. What command 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 AUTOEXEC.BAT | MORE**

- (g) Look at the diagram. Assume that prompt "C:\FINANCE\QUICKEN>" is displayed, meaning that the current/default drive is C and the current/default directory is \FINANCE\QUICKEN. Write two separate *SORT* commands. Each of the two commands would accept input from file *BACKUP.Q*. However, the first command would route the output to file *BACKUP1.Q*, and the second one would append the output to file *BACKUP2.Q*.

***SORT < BACKUP.Q > BACKUP1.Q***

***SORT < BACKUP.Q >> BACKUP2.Q***

- (h) Look at the diagram. Assume that prompt "C:\FINANCE\QUICKEN>" is displayed. Write the command which would change the current directory to *FINANCE*.

***CD ..***

- (i) 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:.***

|     ***BUDGET.FIN***

|     ***PERSON***

|

-----***QUICKEN***

***Q.EXE***

***FINAN.Q***

***BACKUP.Q***

- (j) Now assume that the "C:\ " prompt is displayed. Describe what a command *DIR | SORT > DirList* would do.

**The command would first run *DIR* to get a list of all the files in the directory. Then, the *SORT* command would *SORT* the output of *DIR* from A to Z. Finally, the > would output (and overwrite if it exists) to a "DirList" file**

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

**None.**

**CIS-350**

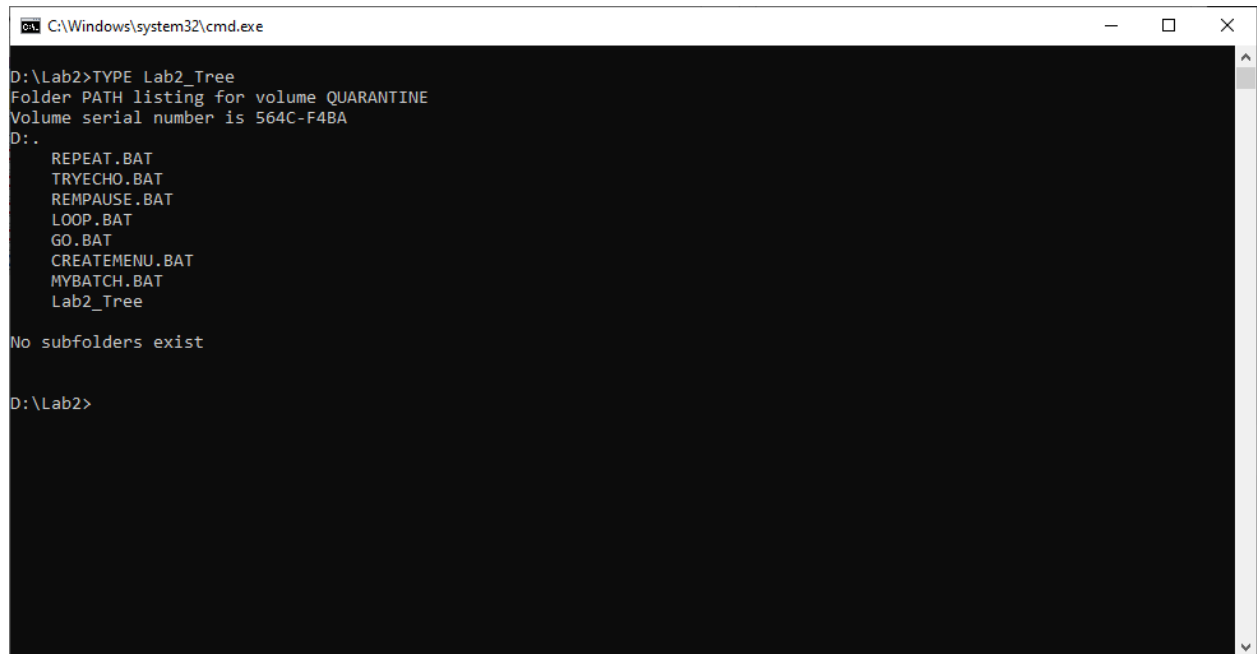
**Infrastructure Technologies**

**Lab 2 Report**

**Student Name:** Brandon Berney

**You must use this template to hand in Lab 2 Report.**

2. Insert *Lab2\_Tree* file from p. 8 of the Lab 2 instructions into the space provided or use the *Alt-PrtScr* keys to capture the screen output (window) from command *TYPE Lab2\_Tree* on p. 8 and paste that window here.



```
C:\Windows\system32\cmd.exe
D:\Lab2>TYPE Lab2_Tree
Folder PATH listing for volume QUARANTINE
Volume serial number is 564C-F4BA
D:.\
    REPEAT.BAT
    TRYECHO.BAT
    REMPAUSE.BAT
    LOOP.BAT
    GO.BAT
    CREATEMENU.BAT
    MYBATCH.BAT
    Lab2_Tree
No subfolders exist
D:\Lab2>
```

3. Assume that the system prompt displays "C:\>", i.e., your current directory and current drive are the root directory and C drive, respectively. Write a batch file below that will include commands to:
- (a) prevent all commands from displaying on the screen. Also, disable command ECHO OFF from displaying.
  - (b) display the following message "My first script file"
  - (c) display the directory hierarchy/structure of the C disk (Do not use DIR)
  - (d) display the directory hierarchy/structure of the C disk with all files (Do not use DIR)
  - (e) create subdirectory named *LETTERS* in the root directory
  - (f) erase subdirectory *BOOKS* from the root directory (assume that *BOOKS* does not have any files in it)
  - (g) copy file *loop.bat* to directory *LETTERS*
  - (h) pause the screen
  - (i) use the piping operation to display the sorted directory and display it one screen at a time (prevent the screen from scrolling off). Need to use two pipes.
  - (j) sort data in the descending order coming from file *Names1* and route the output to file *Names1\_Sorted*

The batch file, commands (a) through (j):

**@ECHO OFF**

**ECHO My first script file**

**TREE C:**

**TREE C: /F**

**MD LETTERS**

**RD BOOKS**

**COPY LOOP.BAT LETTERS**

**PAUSE**

**DIR | SORT | MORE**

**SORT /R < Names1 > Names1\_Sorted**

4. Describe step by step what a file named MYSCRIPT does.

```
@ECHO OFF
REM STARTING SCRIPT FILE
TREE /F
PAUSE
DIR
PAUSE
MD HANK TOM LISA
TREE /F
PAUSE
COPY *.BAT D:\LAB2\LISA
TREE /F
TREE
PAUSE
CD LISA
ERASE *.BAT
PAUSE
CD ..
TREE /F
PAUSE
RD HANK TOM LISA
TREE /F
PAUSE
REM CLOSING SCRIPT FILE
```

Assumptions: The prompt D:\LAB2> is displayed. D is the current drive and LAB2 is the current directory just below "\" (the root directory).

<u>Command</u>	<u>Description (Fill in)</u>
<b>@ECHO OFF</b>	Disables commands displaying on the screen, including echo off itself
<b>REM STARTING SCRIPT FILE</b>	For developer reference/comment, this file is starting
<b>TREE /F</b>	Starts a breakdown of the entire directory and lists files in directories as well
<b>PAUSE</b>	Stop execution until user presses a button
<b>DIR</b>	Lists all files in the working directory
<b>PAUSE</b>	Stop execution until user presses a button
<b>MD HANK TOM LISA</b>	Make directories with the names HANK, TOM, and LISA.
<b>TREE /F</b>	Starts a breakdown of the entire directory and lists files in directories as well
<b>PAUSE</b>	Stop execution until user presses a button
<b>COPY *.BAT D:\LAB2\LISA</b>	Copies all files ending in .BAT in the current directory into the LISA folder
<b>TREE /F</b>	Starts a breakdown of the entire directory and lists files in directories as well
<b>TREE</b>	Lists all folders within the current directory
<b>PAUSE</b>	Stop execution until user presses a button

<b>CD LISA</b>	Changes the working directory to the LISA folder.
<b>ERASE *.BAT</b>	Erases all files ending in .BAT in the current folder.
<b>PAUSE</b>	Stop execution until user presses a button
<b>CD ..</b>	Navigates to one level above the current directory (Lab2)
<b>TREE /F</b>	Starts a breakdown of the entire directory and lists files in directories as well
<b>PAUSE</b>	Stop execution until user presses a button
<b>RD HANK TOM LISA</b>	Removes the directories HANK, TOM, and LISA.
<b>TREE /F</b>	Starts a breakdown of the entire directory and lists files in directories as well
<b>PAUSE</b>	Stop execution until user presses a button
<b>REM CLOSING SCRIPT FILE</b>	For developer reference/comment, the file is ending.

4. Optional. Briefly describe any issues with the lab. Point me to the specific pages and suggest changes. Thanks.

Copying the script between pages 6-7 causes a minor error in the script because it also tries to run “Dr. J. Zurada, CIS 6” as a command. The program still runs but obviously that isn’t the expected output when the file is ran.