

CIS-350
Infrastructure Technologies

Lab 2 Report

Student Name: _____

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

1. 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.

```
E:\Lab2>
E:\Lab2>tree /f > Lab2_Tree

E:\Lab2>type Lab2_Tree
Folder PATH listing
Volume serial number is CC65-FA2C
E:.\
    repeat.bat
    tryecho.bat
    rempause.bat
    loop.bat
    go.bat
    createmenu.bat
    mybatch.bat
    Lab2_Tree

No subfolders exist
```

2. 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  
REM My first script file  
TREE  
TREE /F  
MD LETTERS  
ERASE BOOK  
COPY loop.bat \LETTERS  
PAUSE  
DIR | SORT | MORE  
SORT <Names1> Names1_Sorted
```

3. 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>
@ECHO OFF	Prevents all commands from displaying on the screen.
REM STARTING SCRIPT FILE	Displays STARTING SCRIPT FILE
TREE /F	Displays a tree model of the LAB2 directory
PAUSE	Pauses the screen
DIR	Displays contents of the directory
PAUSE	Pauses the screen
MD HANK TOM LISA	Creates three new dir's HANK, TOM, and LISA
TREE /F	Displays a tree model of the LAB2 directory
PAUSE	Pauses the screen.
COPY *.BAT D:\LAB2\LISA	Copies all files with .bat extension to the dir file LISA

TREE /F	Displays a tree model of the LAB2 directory
TREE	Creates a tree model of current dir and displays it on the screen.
PAUSE	Pauses the screen
CD LISA	Changes dir to LISA
ERASE *.BAT	Erases all .bat extension files
PAUSE	Pauses the screen
CD ..	Returns to parent dir
TREE /F	Displays a tree model of current dir and what is below it.
PAUSE	Pauses screen.
RD HANK TOM LISA	Removes the dir HANK, TOM, and LISA
TREE /F	Displays a tree model of current dir and what is below it.
PAUSE	Pauses screen.
REM CLOSING SCRIPT FILE	Displays CLOSING SCRIPT FILE

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