

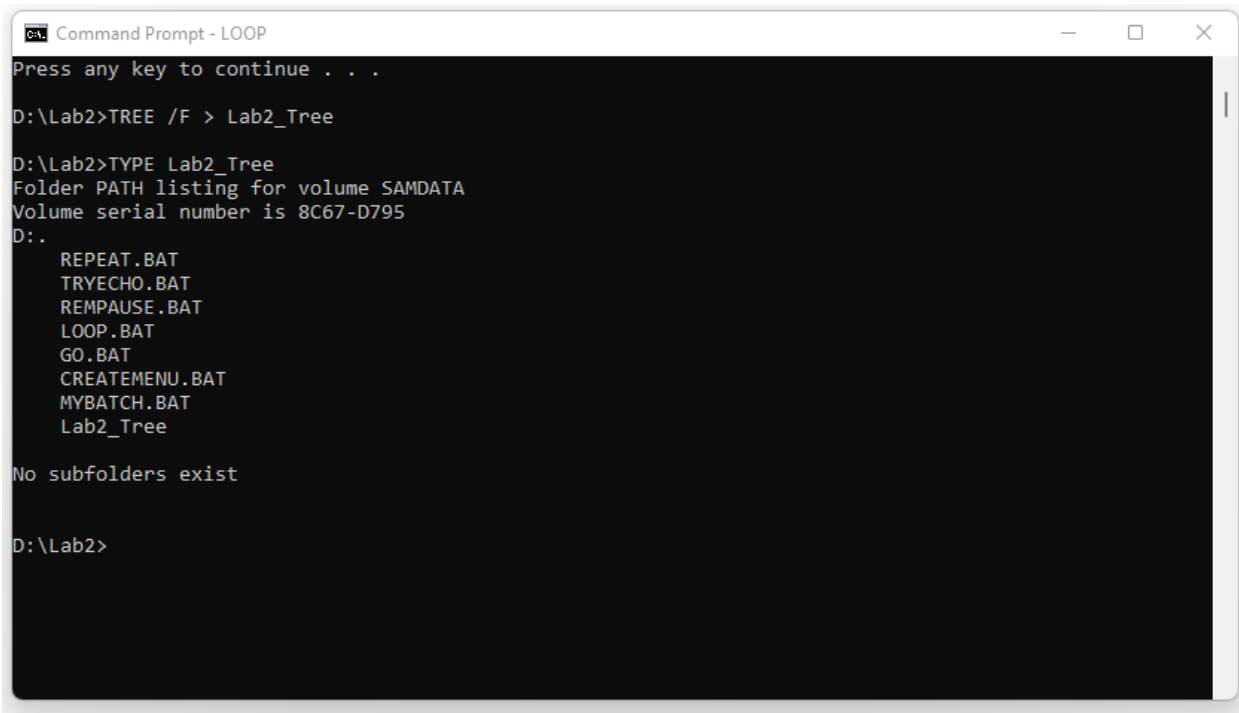
CIS-350
Infrastructure Technologies

Lab 2 Report

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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



```
Command Prompt - LOOP
Press any key to continue . . .
D:\Lab2>TREE /F > Lab2_Tree

D:\Lab2>TYPE Lab2_Tree
Folder PATH listing for volume SAMDATA
Volume serial number is 8C67-D795
D:..
    REPEAT.BAT
    TRYECHO.BAT
    REMPAUSE.BAT
    LOOP.BAT
    GO.BAT
    CREATEMENU.BAT
    MYBATCH.BAT
    Lab2_Tree

No subfolders exist

D:\Lab2>
```

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):

- (a) @ECHO OFF
- (b) ECHO My first script file
- (c) TREE
- (d) TREE /F
- (e) MKDIR LETTERS
- (f) RMDIR BOOKS
- (g) COPY loop.bat \LETTERS
- (h) CTRL-S
- (i) DIR | SORT | MORE
- (j) SORT /R <Names1>Names_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	Suppress all commands displaying on the screen and suppress the word "ECHO OFF" from displaying
REM STARTING SCRIPT FILE	Send the message to the screen, REM STARTING SCRIPT FILE will be on the screen
TREE /F	Show the directories and files in LAB2
PAUSE	Stop the execution of the batch file
DIR	List the filenames and names of the subdirectories of LAB2
PAUSE	Prevent the screen from scrolling
MD HANK TOM LISA	Create 3 directories named HANK TOM LISA with in LAB2

TREE /F	Show the directories and files in LAB2, including the newly created directories
PAUSE	Prevent the screen from scrolling
COPY *.BAT D:\LAB2\LISA	Copy all files of the bat type to subdirectory LISA
TREE /F	Show the directories and files in LAB2, including the files that were just copied
TREE	Display the directory structure of LAB2
PAUSE	Prevent the screen from scrolling
CD LISA	Go to the subdirectory LISA
ERASE *.BAT	Remove all files of bat type in LISA
PAUSE	Pause the execution
CD ..	Move back to the directory LAB2
TREE /F	Show the directories and files in LAB2, the removed files won't be showing
PAUSE	Prevent the screen from scrolling
RD HANK TOM LISA	Remove 3 directories named HANK TOM LISA
TREE /F	Show the directories and files in LAB2, the removed directories won't be showing
PAUSE	Prevent the screen from scrolling
REM CLOSING SCRIPT FILE	Send the message "CLOSING SCRIPT FILE" to the screen, REM CLOSING SCRIPT FILE will be on the screen

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