

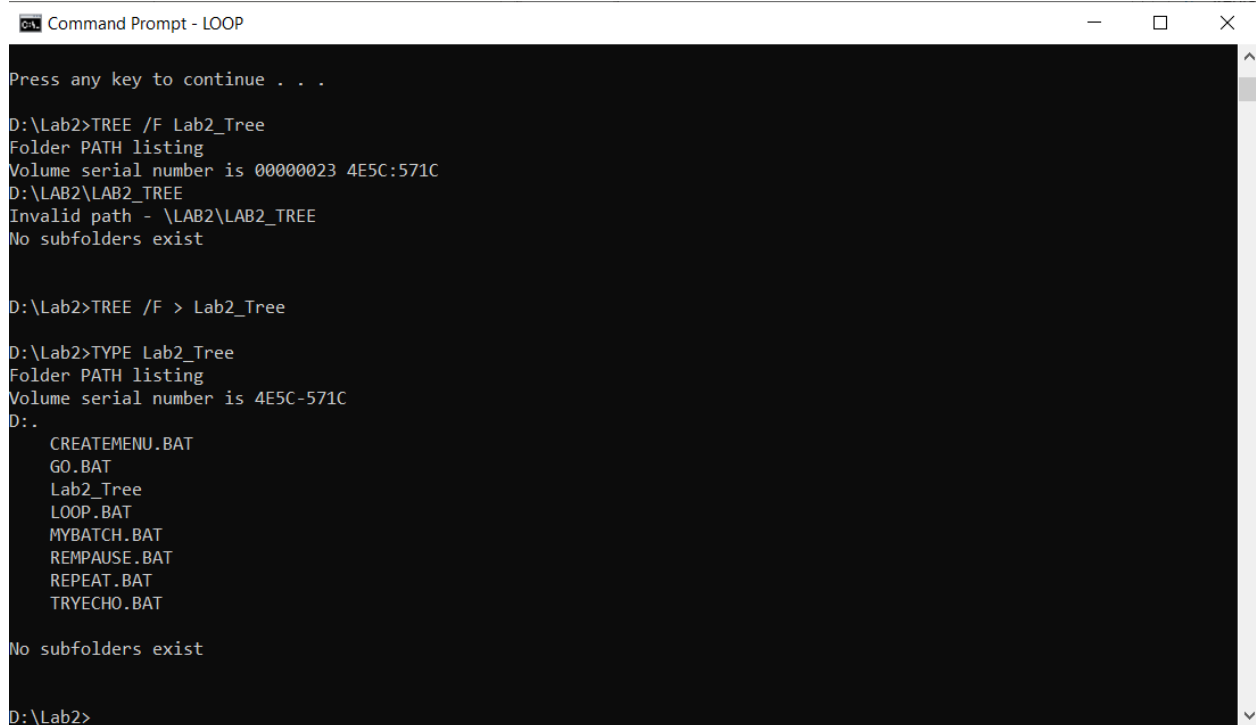
CIS-350
Infrastructure Technologies

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
Folder PATH listing
Volume serial number is 00000023 4E5C:571C
D:\LAB2\LAB2_TREE
Invalid path - \LAB2\LAB2_TREE
No subfolders exist

D:\Lab2>TREE /F > Lab2_Tree

D:\Lab2>TYPE Lab2_Tree
Folder PATH listing
Volume serial number is 4E5C-571C
D:..
    CREATEMENU.BAT
    GO.BAT
    Lab2_Tree
    LOOP.BAT
    MYBATCH.BAT
    REMPAUSE.BAT
    REPEAT.BAT
    TRYECHO.BAT

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):

ECHO OFF

@ECHO OFF

ECHO My first script file

TREE

TREE /F

MD LETTERS

ERASE BOOKS

>COPY loop.bat C:\LETTERS

PAUSE

DIR | SORT | MORE

SORT /R <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 the word ECHO from displaying
REM STARTING SCRIPT FILE	Sends the message "STARTING SCRIPT FILE" to the console screen
TREE /F	Displays the structured hierarchy of the directory and subdirectory and all the files
PAUSE	Prevents the execution of a bat file until a key is pressed
DIR	Displays the current contents of a subdirectory
PAUSE	Prevents the execution of a batch file until a key is pressed
MD HANK TOM LISA	Creates 3 different directories, Hank, Tom, Lisa

TREE /F	Displays the structured hierarchy of a directory and subdirectory and all the files, displays Hank, Tom and Lisa
PAUSE	Prevents the execution of a bat file until a key is pressed
COPY *.BAT D:\LAB2\LISA	Copies any .bat file with multiple characters to Lisa in the D drive in the Lab2 folder
TREE /F	Displays the structured hierarchy of a directory and subdirectory and all the files
TREE	Displays the directory hierarchy and the subdirectories
PAUSE	Prevents the execution of a bat file until a key is pressed
CD LISA	Changes the directory to LISA
ERASE *.BAT	Erases all .bat files in LISA with multiple characters
PAUSE	Prevents the execution of a bat file until a key is pressed
CD ..	Moves you up one level in the directory, so to the parents directory of LISA
TREE /F	Displays the structured hierarchy of a directory and subdirectory and all the files in LISA
PAUSE	Prevents the execution of a bat file until a key is pressed
RD HANK TOM LISA	Removes directory HANK TOM and LISA
TREE /F	Displays the structured hierarchy of a directory and subdirectory and all the files, HANK TOM LISA are no longer in directory

PAUSE	Prevents the execution of a bat file until a key is pressed
REM CLOSING SCRIPT FILE	Sends message “CLOSING SCRIPT FILE” to screen

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