

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.



Folder PATH listing for volume ETHAN DRIVE

Volume serial number is 19F2-D64C

D:.

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 \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 commands from being seen and turns ECHO off
REM STARTING SCRIPT FILE	Displays the message "STARTING SCRIPT FILE"
TREE /F	Displays the hierarchy/directory in the D:\Lab2 drive directory and subdirectories and all files
PAUSE	Stops Execution of batch file until a key is pressed
DIR	Displays the directory of Lab2
PAUSE	Stops Execution of batch file until a key is pressed

MD HANK TOM LISA	Creates three directories named Hank, Tom, and Lisa
TREE /F	Displays the hierarchy/directory in the HANK, TOM, and LISA subdirectories and all files
PAUSE	Stops Execution of batch file until a key is pressed
COPY *.BAT D:\LAB2\LISA	Copies all the files that have the .BAT extension and copies it to the directory LISA
TREE /F	Displays the hierarchy/directory in the HANK, TOM, and LISA drive directories and subdirectories and all files
TREE	Displays the hierarchy/directory in the HANK, TOM, and LISA drive directories and subdirectories
PAUSE	Stops Execution of batch file until a key is pressed
CD LISA	Traverses to LISA subdirectory
ERASE *.BAT	Erases all files in the LISA subdirectory that have the .BAT extension
PAUSE	Stops Execution of batch file until a key is pressed
CD ..	Returns to Lab2 directory
TREE /F	Displays the hierarchy/directory in the D:\Lab2 drive directory and subdirectories and all files
PAUSE	Stops Execution of batch file until a key is pressed

RD HANK TOM LISA	Removes HANK, TOM, and LISA directories
TREE /F	Displays the hierarchy/directory in the D:\Lab2 drive directory and subdirectories and all files
PAUSE	Stops Execution of batch file until a key is pressed
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.

No issues with the lab.