

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.

```
H:\Lab2> TREE/F> Lab2_Tree

H:\Lab2> TYPE Lab2_Tree
Folder PATH listing for volume SCHOOL DRIV
Volume serial number is FCC1-25EE
H:
    REPEAT.BAT
    TRYECHO.BAT
    REMPAUSE.BAT
    LOOP.BAT
    GO.BAT
    CREATEMENU.BAT
    MYBATCH.BAT
    Lab2_Tree

No subfolders exist

H:\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 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 *LISA* in the root directory
 - (f) erase subdirectory *HANK* from the root directory (assume that *HANK* does not have any files in it)
 - (g) copy file *go.bat* to directory *LISA*
 - (h) pause the screen
 - (i) use the piping operation to display the sorted directory in the ascending order and display it one screen at a time (prevent the screen from scrolling off). Need to use two pipe symbols (|) in one command.
 - (j) sort data in the ascending order coming from file *Students* and route the output to file *Students_Sorted*.

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

@ECHO OFF

REM My script file

TREE

TREE/ F

MD LISA

ERASE HANK

COPY go.bat \LISA

PAUSE

DIR | SORT | MORE

SORT <Students> Students_Sorted

3. Describe step by step what a batch file named YOURSCRIPT does.

```
@ECHO OFF
REM BEGINNING SCRIPT FILE
TREE /F
PAUSE
DIR
PAUSE
MD JOHN MARY TOM
TREE /F
PAUSE
COPY *.BAT D:\LAB2\TOM
TREE /F
TREE
PAUSE
CD TOM
ERASE *.BAT
PAUSE
CD ..
TREE /F
PAUSE
RD JOHN MARY TOM
TREE /F
PAUSE
REM ENDING 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	This turns off the commands from showing and the @ sign hides the echo command itself
REM BEGINNING SCRIPT FILE	This displays the text “beginning script file”
TREE /F	This displays the directory hierarchy/structure of the D:\LAB2> directory and also shows the files because of the addition of /F
PAUSE	This pauses the screen until the user hits a key to continue
DIR	This lists the contents of the directory and when it was created specifically the D:\LAB2 directory in this case
PAUSE	This pauses the screen until the user hits a key to continue

MD JOHN MARY TOM	This command creates 3 new directories called JOHN MARY and TOM
TREE /F	This displays the directory hierarchy/structure of the D:\LAB2> directory and also shows the files because of the addition of /F
PAUSE	This pauses the screen until the user hits a key to continue
COPY *.BAT D:\LAB2\TOM	This command copy's any file that ends with a .BAT to the TOM directory located in "D:\LAB2\TOM"
TREE /F	This displays the directory hierarchy/structure of the D:\LAB2> directory and also shows the files because of the addition of /F
TREE	This displays the directory hierarchy/structure of the D:\LAB2> directory this does not show the files only the directory's hierarchy because of the lack of /F
PAUSE	This pauses the screen until the user hits a key to continue
CD TOM	This changes the directory to TOM
ERASE *.BAT	This erases every thing that ends with .BAT in the TOM directory
PAUSE	This pauses the screen until the user hits a key to continue
CD ..	This goes back one layer from the current directory in this case it goes from the tom directory to the Lab2 directory
TREE /F	This displays the directory hierarchy/structure of the D:\LAB2> directory and also shows the files because of the addition of /F
PAUSE	This pauses the screen until the user hits a key to continue
RD JOHN MARY TOM	This removes the directories JOHN, MARY and TOM from the directory tree
TREE /F	This displays the directory hierarchy/structure of the D:\LAB2> directory and also shows the files because of the addition of /F
PAUSE	This pauses the screen until the user hits a key to continue

REM ENDING SCRIPT FILE	This displays the text “ENDING SCRIPT FILE”