**CIS-350  
Infrastructure Technologies**

**Lab 2 Report – Fall 2019**

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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.

A screenshot of a cell phone

Description automatically generated

1. 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:
2. prevent all commands from displaying on the screen. Also, disable command ECHO OFF from displaying.
3. display the following message "My first script file"
4. display the directory hierarchy/structure of the C disk (Do not use DIR)
5. display the directory hierarchy/structure of the C disk with all files (Do not use DIR)
6. create subdirectory named *LETTERS* in the root directory
7. erase subdirectory *BOOKS* from the root directory
8. copy file *loop.bat* to directory *LETTERS*
9. pause the screen
10. 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.
11. 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**

**RD BOOKS**

**COPY loop.bat \LETTERS**

**PAUSE**

**DIR |**

**SORT > Names1 > Names1\_Sorted**

1. 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).

|  |  |
| --- | --- |
| **Command** | **Description (Fill in)** |
| **@ECHO OFF** | Prevents all commands from displaying. |
| **REM STARTING SCRIPT FILE** | Displays “STARTING SCRIPT FILE” |
| **TREE /F** | Displays the directory hierarchy with all files in the current directory and below. |
| **PAUSE** | Pauses the screen until the user hits a key. This allows you to see the effect of the previous command. |
| **DIR** | Displays the directory content. |
| **PAUSE** | Pauses the screen until the user hits a key. This allows you to see the effect of the previous command. |
| **MD HANK TOM LISA** | Creates three new directories HANK, TOM, LISA in directory LAB2. |
| **TREE /F** | Displays the directory hierarchy with all the files starting in the current directory and below. It will include the directories created above. |
| **PAUSE** | Pauses the screen until the user hits a key. This allows you to see the effect of the previous command. |
| **COPY \*.BAT D:\LAB2\LISA** | Copies all files with .BAT extension from the current directory to directory LISA. |
| **TREE /F** | Displays the directory hierarchy with all files starting with the current directory and below it. The batch files in directory LISA should be shown. |
| **TREE** | Displays the entire directory hierarchy. |
| **PAUSE** | Pauses the screen until the user hits a key. This allows you to see the effect of the previous command. |
| **CD LISA** | Changes the current directory to LISA. |
| **ERASE \*.BAT** | Erases all files with extension .BAT from directory LISA. |
| **PAUSE** | Pauses the screen until the user hits a key. This allows you to see the effect of the previous command. |
| **CD ..** | Returns to the parent directory, which is LAB2. |
| **TREE /F** | Displays the directory hierarchy with all files starting in the current directory and below. The batch files in LISA shouldn’t be there anymore. |
| **PAUSE** | Pauses the screen until the user hits a key. This allows you to see the effect of the previous command. |
| **RD HANK TOM LISA** | Removes the HANK, TOM, LISA directories from the LAB2 directory. |
| **TREE /F** | Displays the directory hierarchy with all files starting in the current directory and below it. The three directories created above won’t be in LAB2 anymore. |
| **PAUSE** | Pauses the screen until the user hits a key. This allows you to see the effect of the previous command. |
| **REM CLOSING SCRIPT FILE** | Displays “CLOSING SCRIPT FILE” |

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