**CIS-350  
Infrastructure Technologies**

**Lab 2 Report**

**Student Name**: **Destineee Matsoumou**

**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.

Text

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.

**@ECHO OFF**

1. display the following message "My first script file"

**ECHO My first script file**

1. display the directory hierarchy/structure of the C disk (Do not use DIR)

**Tree c: a**

1. display the directory hierarchy/structure of the C disk with all files (Do not use DIR)

**Tree/f**

1. create subdirectory named *LETTERS* in the root directory

**MD LETTERS**

1. erase subdirectory *BOOKS* from the root directory (assume that *BOOKS* does not have any files in it)

**ERASE \Lab2\BOOK**

1. copy file *loop.bat* to directory *LETTERS*

**COPY loop.bat\lab2\Letters**

1. pause the screen

**PAUSE**

1. 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.

**Dir| Sort| More**

1. sort data in the descending order coming from file *Names1* and route the output to file *Names1\_Sorted*

**SORT /R <Names1.txt>Names1\_Sorted**

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

1. Describe step by step what a file named MYSCRIPT does.

@ECHO OFF // Stop a batch file from outputting a command to the screen as the file runs the command

REM STARTING SCRIPT FILE // Used for remarks in batch files, preventing the content of the remark from being executed.

TREE /F // Displays directory paths and (optionally) files in each subdirectory.

PAUSE // It allows the computer to **pause** the currently running batch file until the user presses any key.

DIR // Lists all files and subdirectories contained in a specific directory.

PAUSE // Pauses the current running batch

MD HANK TOM LISA // Creates a Hank Tom Lisa directory

TREE /F // Displays the names of the files found within each directory listed.

PAUSE // Pauses the current running batch

COPY \*.BAT D:\LAB2\LISA // Stores file in a different location. The wild card copies everywhere there is a .bat

TREE /F // Displays the names of the files found within each directory listed.

TREE // Displays directory paths and (optionally) files in each subdirectory.

PAUSE // Pauses the current running batch

CD LISA // Will open the LISA directory

ERASE \*.BAT // It will delete every .bat file in the directory.

PAUSE // Pauses the current running batch

CD .. // Used to change the directory

TREE /F Displays the names of the files found within each directory listed.

PAUSE // Pauses the current running batch

RD HANK TOM LISA // Will remove HANK TOM LISA directory.

TREE /F // Displays directory paths and (optionally) files in each subdirectory

PAUSE // Pauses the current running batch

REM CLOSING SCRIPT FILE // Prevents the content of the remark from being executed.

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** | Stop a batch file from outputting a command to the screen as the file runs the command |
| **REM STARTING SCRIPT FILE** | Used for remarks in batch files, preventing the content of the remark from being executed. |
| **TREE /F** | Lists all files and subdirectories contained in a specific directory. |
| **PAUSE** | Pauses the current running batch |
| **DIR** | Lists all files and subdirectories contained in a specific directory |
| **PAUSE** | Pauses the current running batch |
| **MD HANK TOM LISA** | Creates a Hank Tom Lisa directory |
| **TREE /F** | Lists all files and subdirectories contained in a specific directory. |
| **PAUSE** | Pauses the current running batch |
| **COPY \*.BAT D:\LAB2\LISA** | It will copy every .bat file in the directory |
| **TREE /F** | Lists all files and subdirectories contained in a specific directory. |
| **TREE** | Displays directory paths and (optionally) files in each subdirectory. |
| **PAUSE** | Pauses the current running batch |
| **CD LISA** | Will open the LISA directory |
| **ERASE \*.BAT** | It will delete every .bat file in the directory |
| **PAUSE** | Pauses the current running batch |
| **CD ..** | Used to change the directory |
| **TREE /F** | Lists all files and subdirectories contained in a specific directory. |
| **PAUSE** | Pauses the current running batch |
| **RD HANK TOM LISA** | Will remove HANK TOM LISA directory |
| **TREE /F** | Lists all files and subdirectories contained in a specific directory. |
| **PAUSE** | Pauses the current running batch |
| **REM CLOSING SCRIPT FILE** | Prevents the content of the remark from being executed |

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