**CIS-350  
Infrastructure Technologies**

**Lab 2 Report**

**Student Name**: **\_\_\_\_\_\_\_\_\_\_Jon McCarrick\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**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.

Shape, rectangle

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 (assume that *BOOKS* does not have any files in it)
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**

**MD My first script file**

**Tree \**

**Tree c:\ /f**

**MD LETTERS**

**ERASE \BOOKS**

**C:\ >COPY loop.dat D:\Letters**

**PAUSE**

**DIR | SORT | MORE**

**SORT /R < Names.1 > 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** | suppress the word ECHO itself from displaying |
| **REM STARTING SCRIPT FILE** | REMark to send message STARTING SCRIPT FILE to the screen |
| **TREE /F** | display files within directories |
| **PAUSE** | stop the execution of the batch file until you press a key |
| **DIR** | lists filenames and names of subdirectories on the screen |
| **PAUSE** | stop the execution of the batch file until you press a key |
| **MD HANK TOM LISA** | creates directory HANK TOM LISA within the root directory |
| **TREE /F** | display files within directories |
| **PAUSE** | stop the execution of the batch file until you press a key |
| **COPY \*.BAT D:\LAB2\LISA** | Copy all files with extension .bat onto subdirectory LISA |
| **TREE /F** | display files within directories |
| **TREE** | Display directory structure/hierarchy in the current directory and subdirectories under it. |
| **PAUSE** | stop the execution of the batch file until you press a key |
| **CD LISA** | Switch current directory to LISA |
| **ERASE \*.BAT** | Erase all files with extension .BAT |
| **PAUSE** | stop the execution of the batch file until you press a key |
| **CD ..** | moves you to the parent directory |
| **TREE /F** | display files within directories |
| **PAUSE** | stop the execution of the batch file until you press a key |
| **RD HANK TOM LISA** | Removes HANK TOM LISA |
| **TREE /F** | display files within directories |
| **PAUSE** | stop the execution of the batch file until you press a key |
| **REM CLOSING SCRIPT FILE** | REMark to send message CLOSING SCRIPT FILE to the screen |

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