**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

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.
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):

1. @ECHO OFF
2. ECHO My first script file
3. TREE
4. TREE /F
5. MKDIR LETTERS
6. RMDIR BOOKS
7. COPY loop.bat \LETTERS
8. CTRL-S
9. DIR | SORT | MORE
10. SORT /R <Names1>Names\_Sorted
11. 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 all commands displaying on the screen and suppress the word “ECHO OFF” from displaying |
| **REM STARTING SCRIPT FILE** | Send the message to the screen, **REM STARTING SCRIPT FILE** will be on the screen |
| **TREE /F** | Show the directories and files in LAB2 |
| **PAUSE** | Stop the execution of the batch file |
| **DIR** | List the filenames and names of the subdirectories of LAB2 |
| **PAUSE** | Prevent the screen from scrolling |
| **MD HANK TOM LISA** | Create 3 directories named HANK TOM LISA with in LAB2 |
| **TREE /F** | Show the directories and files in LAB2, including the newly created directories |
| **PAUSE** | Prevent the screen from scrolling |
| **COPY \*.BAT D:\LAB2\LISA** | Copy all files of the bat type to subdirectory LISA |
| **TREE /F** | Show the directories and files in LAB2, including the files that were just copied |
| **TREE** | Display the directory structure of LAB2 |
| **PAUSE** | Prevent the screen from scrolling |
| **CD LISA** | Go to the subdirectory LISA |
| **ERASE \*.BAT** | Remove all files of bat type in LISA |
| **PAUSE** | Pause the execution |
| **CD ..** | Move back to the directory LAB2 |
| **TREE /F** | Show the directories and files in LAB2, the removed files won’t be showing |
| **PAUSE** | Prevent the screen from scrolling |
| **RD HANK TOM LISA** | Remove 3 directories named HANK TOM LISA |
| **TREE /F** | Show the directories and files in LAB2, the removed directories won’t be showing |
| **PAUSE** | Prevent the screen from scrolling |
| **REM CLOSING SCRIPT FILE** | Send the message “CLOSING SCRIPT FILE” to the screen, **REM CLOSING SCRIPT FILE** will be on the screen |

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