CIS-350
INFRASTRUCTURE TECHNOLOGIES

GROUP LAB 2 REPORT

Group # and Student Name(s): ____Group #13 and Helen Le

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Worth 50 points **Due Date: See Blackboard**

Though this is a Group Lab 2 Report, you must work this hands-on Lab 2 individually. After **you do that, get in groups, discuss and provide answers to the following problems, and submit this report, one per group, to Blackboard. When you work Lab 2 hands-on, you are likely to do better on Test 3 which will cover the operating systems part of the course.**

You must use this template to submit Group Lab 2 Report.

1. Insert *Lab2_Tree* file from p. 8 of the Lab2 instructions into the space provided or use the *Alt-PrtScr* keys to capture the full screen output (full window) from command *TYPE Lab2_Tree* on p. 8 and paste that window here. One screen capture/shot from any group member will do. Choose the one that you think is closest to the solution, i.e. it contains all the necessary folders and files in them.

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

D:\Lab2>TYPE Lab2_Tree
Folder PATH listing
Volume serial number is DD53-C0E6
D:.
    REPEAT.BAT
    TRYECHO.BAT
    REMPAUSE.BAT
    LOOP.BAT
    GO.BAT
    CREATEMENU.BAT
    MYBATCH.BAT
    Lab2_Tree

No subfolders exist
```

2. For questions 2.a through 2.j 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: (20 points)

   a. Prevent all commands from displaying on the screen. Also, disable command ECHO OFF from displaying.
   b. Display the following message "This is my Lab 2 batch 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 a subdirectory named *SCORES* in the root directory
   f. Erase subdirectory *SCORES* from the root directory (assume that *SCORES* does not have any files in it)
   g. Copy file *loop.bat* to directory *SCORES*. Assume that file *loop.bat* exists.
   h. Pause the screen
   i. Use the piping operation to pass the output from the DIR command as the input to the SORT command and redirect (route) the output from the SORT command (the sorted directory) to file DirList.
   j. Sort data in the descending order coming from file *Names* and route the output to file *Names_Sorted*. Assume that file *Names* exists.

   The batch file, commands 2.a through 2.j:

   a. __@ECHO OFF_____

   b. __ECHO This is my Lab 2 batch file
      _____

   c. ___TREE _____

   d. ____TREE /F_____

   e. ___MD SCORES_____

   f. ___RD SCORES_____

   g. ___COPY loop.bat SCORES
      _____

   h. ____PAUSE_____

   i. ____DIR | SORT > DirList
      _____

   j. ___SORT /R Names > Names_Sorted
      _____

3. Describe step by step what a file named MYSCRIPT does.(20 points)

```
@ECHO OFF
REM STARTING SCRIPT FILE
TREE /F
PAUSE
DIR
PAUSE
MD KATE1 KATE2 KATE3
TREE /F
PAUSE
COPY *.BAT D:\LAB2\KATE2
TREE /F
TREE
PAUSE
CD KATE2
ERASE *.BAT
PAUSE
CD ..
TREE /F
PAUSE
RD KATE1 KATE2 KATE3
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	This will suppress the command echoing and the word ECHO itself from displaying.
REM STARTING SCRIPT FILE	REM is used to send messages to the screen or document file operation. This specifically indicates the script is starting but will not impact execution itself.
TREE /F	This will display the directory's structure with files. With this example, it will display the structure with files from D:\Lab2.
PAUSE	This will stop execution of the batch file until a key is pressed. This allows for debugging, user review, and more, before execution of the next command.
DIR	This will display a list of files and directories in D:\Lab2.
PAUSE	This will stop execution of the batch file until a key is pressed. This allows for debugging, user review, and more, before execution of the next command.
MD KATE1 KATE2 KATE3	This will create three new directories named KATE1, KATE2, and KATE3, inside D:\Lab2.

TREE /F	This will display the directory structure with files, which will now include newly-made KATE1, KATE2, and KATE3.
PAUSE	This will stop execution of the batch file until a key is pressed. This allows for debugging, user review, and more, before execution of the next command.
COPY *.BAT D:\LAB2\KATE2	This will copy all the .bat (batch) files from D:\LAB2 to D:\LAB2\KATE2.
TREE /F	This will display the directory structure with files once again with all .bat (batch) files inside KATE2.
TREE	This will display the directory structure, but not the files.
PAUSE	This will stop execution of the batch file until a key is pressed. This allows for debugging, user review, and more, before execution of the next command.
CD KATE2	This will change the directory to D:\LAB2\KATE2.
ERASE *.BAT	This will delete all the .bat files, which are currently in Kate2.
PAUSE	This will stop execution of the batch file until a key is pressed. This allows for debugging, user review, and more, before execution of the next command.
CD ..	This moves the directory up one level in the directory structure to D:\Lab2.
TREE /F	This will display the directory structure with files, which will reflect how the .bat files were deleted from KATE2.
PAUSE	This will stop execution of the batch file until a key is pressed. This allows for debugging, user review, and more, before execution of the next command.
RD KATE1 KATE2 KATE3	This removes the directories of KATE1, KATE2, and KATE3, which are all empty, allowing the code to work.
TREE /F	This will display the directories and files, which reflects how the directories of KATE1, KATE2, and KATE3, are all deleted.
PAUSE	

	This will stop execution of the batch file until a key is pressed. This allows for debugging, user review, and more, before execution of the next command.
REM CLOSING SCRIPT FILE	This comment indicates that the script is ending, but it does not impact the execution.

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