

CIS-350
INFRASTRUCTURE TECHNOLOGIES

GROUP LAB 2 REPORT

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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.



Lab2_Tree

```
Command Prompt
Microsoft Windows [Version 10.0.19045.4170]
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C:\Users\dwill1>H:

H:\>CD Lab2

H:\Lab2>TYPE Lab2_Tree
Folder PATH listing for volume Memorex USB
Volume serial number is 3E96-63C5
H:..
    REPEAT.BAT
    TRYECHO.BAT
    REMPAUSE.BAT
    LOOP.BAT
    GO.BAT
    CREATEMENU.BAT
    MYBATCH.BAT
    Lab2_Tree

No subfolders exist

H:\Lab2>
```

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)
- Prevent all commands from displaying on the screen. Also, disable command ECHO OFF from displaying.
 - Display the following message "This is my Lab 2 batch file"
 - Display the directory hierarchy/structure of the C disk (Do not use DIR)
 - Display the directory hierarchy/structure of the C disk with all files (Do not use DIR)
 - Create a subdirectory named *SCORES* in the root directory
 - Erase subdirectory *SCORES* from the root directory (assume that *SCORES* does not have any files in it)
 - Copy file *loop.bat* to directory *SCORES*. Assume that file *loop.bat* exists.
 - Pause the screen
 - 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.
 - 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:

- @ECHO OFF
- This is my Lab 2 batch file
- TREE /F > C:\directory_structure
- TREE /A > C:\directory_structure_with_files
- mkdir SCORES
- rmdir /S SCORES
- copy loop.bat C:\SCORES
- PAUSE
- Dir | sort > DirList
- 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).

<u>Command</u>	<u>Description (Fill in)</u>
@ECHO OFF	Stops following commands from being on screen. The @ prevents this command from showing
REM STARTING SCRIPT FILE	REM adds a comment while the second part starts a script file
TREE /F	Displays the structure of the directory.
PAUSE	Stops running previous command. Allows user to see results
DIR	Will list files and directories of current directory
PAUSE	Stops running previous command. Allows user to see results.
MD KATE1 KATE2 KATE3	Makes a directory with KATE1 KATE2 and KATE3
TREE /F	Displays the structure of the directory.
PAUSE	Stops running previous command. Allows user to see results.

COPY *.BAT D:\LAB2\KATE2	Will copy the .BAT file to D:\LAB2\KATE2
TREE /F	Displays the structure of the directory.
TREE	Displays the structure of the directory and its subdirectories.
PAUSE	Stops running previous command. Allows user to see results.
CD KATE2	Changes directory to KATE2
ERASE *.BAT	Deletes all files with .BAT extension from current directory.
PAUSE	Stops running previous command. Allows user to see results.
CD ..	Changes to parent directory
TREE /F	Displays the structure of the directory.
PAUSE	Stops running previous command. Allows user to see results.
RD KATE1 KATE2 KATE3	Removes KATE1 KATE2 and KATE3
TREE /F	Displays the structure of the directory.
PAUSE	Stops running previous command. Allows user to see results.
REM CLOSING SCRIPT FILE	Comment marking the end of the file

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

