

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.



```
Microsoft Windows [Version 6.0.6002.18005]
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C:\>

Press any key to continue . . .
Folder PATH listing for volume PIC_FRAME
Volume serial number is 2A53-888A
D:
No subfolders exist

Press any key to continue . . .
Folder PATH listing for volume PIC_FRAME
Volume serial number is 2A53-888A
D:
  REPEAT.BAT
  TRYECHO.BAT
  RENWIDE.BAT
  LOOP.BAT
  GO.BAT
  CREATENEW.BAT
  HYBATCH.BAT
  JOE1
  JOE2
  JOE3
Press any key to continue . . .
Folder PATH listing for volume PIC_FRAME
Volume serial number is 2A53-888A
D:
  REPEAT.BAT
  TRYECHO.BAT
  RENWIDE.BAT
  LOOP.BAT
  GO.BAT
  CREATENEW.BAT
  HYBATCH.BAT
No subfolders exist

Press any key to continue . . .
D:\Lab2>
D:\Lab2>
D:\Lab2>TREE /F Lab2_Tree
Folder PATH listing for volume PIC_FRAME
Volume serial number is 2A53-888A
D:\Lab2\LAB2_TREE
  Enabled path = \Lab2\LAB2_TREE
No subfolders exist

D:\Lab2>TYPE Lab2_Tree
The system cannot find the file specified.

D:\Lab2>TREE /F*Lab2_Tree
D:\Lab2>TYPE Lab2_Tree
Folder PATH listing for volume PIC_FRAME
Volume serial number is 2A53-888A
D:
  REPEAT.BAT
  TRYECHO.BAT
  RENWIDE.BAT
  LOOP.BAT
  GO.BAT
  CREATENEW.BAT
  HYBATCH.BAT
  Lab2_Tree
  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 C:**
- d. **tree /F C:**
- e. **mkdir C:\SCORES**
- f. **rmdir /Q /S C:\SCORES**
- g. **copy loop.bat C:\SCORES**
- h. **pause**
- i. **dir C:\ | 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).

<u>Command</u>	<u>Description (Fill in)</u>
@ECHO OFF	Hides the commands from showing in the console.
REM STARTING SCRIPT FILE	Just a note saying the script is starting.
TREE /F	Shows all folders and files in the current directory.
PAUSE	Pauses until you press a key.
DIR	Lists all files in the current directory.
PAUSE	Pauses again.
MD KATE1 KATE2 KATE3	Creates three new folders named KATE1, KATE2, and KATE3.
TREE /F	Shows the updated folder structure.
PAUSE	Pauses.
COPY *.BAT D:\LAB2\KATE2	Copies any files ending in .BAT to a folder named KATE2 located at D:\LAB2.
TREE /F	Shows the updated folder structure after copying files.
TREE	Shows the current folder structure.

PAUSE	Pauses.
CD KATE2	Moves into the KATE2 folder.
ERASE *.BAT	Deletes any .BAT files in the KATE2 folder.
PAUSE	Pauses.
CD ..	Moves back to the previous folder.
TREE /F	Shows the updated folder structure after deleting BAT files.
PAUSE	Pauses.
RD KATE1 KATE2 KATE3	Deletes the folders KATE1, KATE2, and KATE3.
TREE /F	Shows the updated folder structure after deleting folders.
PAUSE	Pauses.
REM CLOSING SCRIPT FILE	Just a note saying the script is done.

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