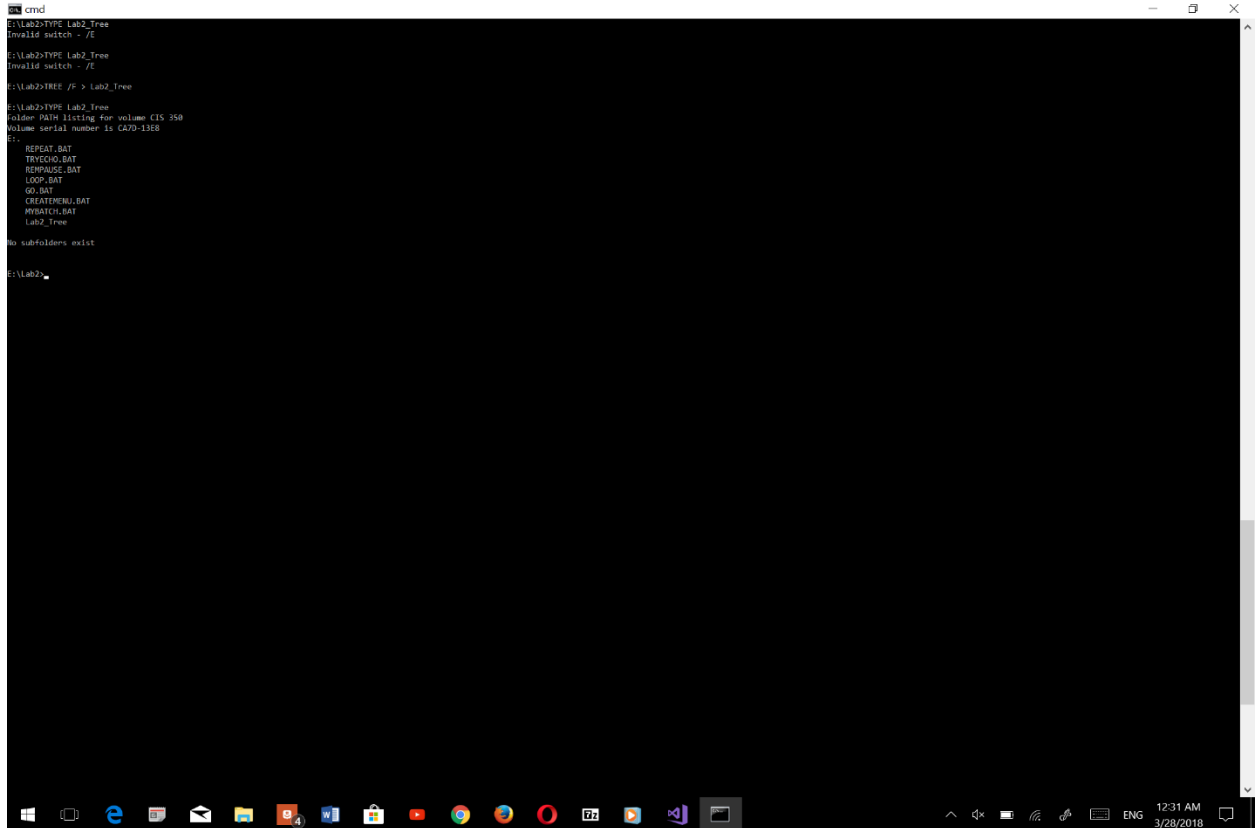**CIS-350-01**
Infrastructure Technologies

Lab 2 Report

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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.

2. 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:
   (a) prevent all commands from displaying on the screen
   (b) display the following message "A simple batch file"
   (c) display the directory hierarchy of the C disk
   (d) display the directory hierarchy of the C disk with all files
   (e) create sub directory named *CLASSES* in the root directory
   (f) erase subdirectory *BOOK* from the root directory
   (g) copy file *Go.bat* to directory *CLASSES*
   (h) pause the screen
   (i) display the directory and pipe it through the *MORE* command
   (j) sort data in the ascending order coming from file *Letter3* and route the output to file *Letter3_Sorted*

   The batch file, commands (a) through (j):

ECHO OFF

REM A simple batch file

TREE

TREE /F

MD CLASSES

RD BOOK

COPY Go.bat C:\CLASSES

PAUSE

DIR | MORE

SORT<Letter3>Letter3_Sorted

3. Describe step by step what a file named MYBATCH does.

```
ECHO OFF
REM STARTING BATCH FILE
TREE /F
PAUSE
DIR
PAUSE
MD JOE MARY STACY
TREE /F
PAUSE
COPY *.BAT E:\LAB2\STACY
TREE /F
PAUSE
CD STACY
ERASE *.BAT
PAUSE
CD ..
TREE /F
PAUSE
RD JOE MARY STACY
TREE /F
PAUSE
REM CLOSING BATCH FILE
```

The ECHO OFF command prevents all commands from displaying on the screen. The REM command displays STARTING BATCH FILE on the screen. TREE /F displays the data hierarchy of the directory including all files. PAUSE will stop the execution of the batch file until you press a key. DIR displays the contents of the current directory or sub-directory. PAUSE will stop the execution of the file again until you press another key. MD JOE MARY STACY creates sub-directories called JOE, MARY, and STACY within the current directory. TREE /F will display the new data hierarchy including any new files. PAUSE halts execution of the file again until you press another key. COPY *.BAT E:\LAB2\STACY will copy every file with the .bat file extension to sub-directory STACY in the LAB2 directory on removable device E: TREE /F will display the new data hierarchy with the new files in STACY. PAUSE halts the execution of the file until you press a key. CD STACY changes the current directory to STACY. ERASE*.BAT erases all files with the .bat extension in the STACY directory. PAUSE stops the execution the file again until you press another key. CD.. takes you to Lab2 which is the parent directory for STACY. TREE /F will display the new data hierarchy with the .bat files now removed from STACY. PAUSE will stop the execution of the file again until you press another key. RD JOE MARY STACY will remove the JOE, MARY, and STACY sub-directories from the current directory. TREE /F will display the data hierarchy again, this time without the JOE,

MARY, and STACY sub-directories. PAUSE will stop the execution of the file until you press another key. Finally, REM CLOSING BATCH FILE will display "Closing Batch File".

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