# CMSY 219 Lab 7

## 

## Due 3/23

## Total 80 points Estimated time to complete 3 hours

### OBJECTIVES:

To Practice Writing Batch Files.

All batch files must be stored in C:\!Student\batch or suffer a 5 point penalty

All batch files must be correctly documented or suffer a 2 point penalty (for each).

* Correct documentation includes at a minimum:
  + file’s name,
  + the purpose for the file
  + the creator’s name

1. **B01MAKEIT.BAT (5 points)**
   1. This batch file will create a text file in C:\!STUDENT (OK)
   2. Using the ECHO and redirecting the output to a file (OK)
   3. Create a file C:\!STUDENT\MAKEOUT.TXT (OK)  
        
      that contains:  
        
      The sky it was red (OK)  
      With a golden hue, (OK)  
      Blazing so bright,  
      Not the normal blue. (OK)
2. **B02FROG.BAT (5 points)**
   1. This batch file displays the following text  
        
      Ribbit!   
      This is FROG.BAT
3. **B03GREETING.bat (5 points)**

Note: This batch file should be tested after you write **B03FROG.BAT.  
That is because this batch file CALLs B02FROG.BAT**  
  
This batch file says hello and then CALLS another batch file.  
Note that the directions in c will never be executed because this is a call.

* 1. Display:  
       
     Hello from B03GREETING.BAT  
     I am the greatest
  2. Calls a batch file named B02FROG.BAT
  3. Displays a message “I have returned to GREETING.BAT”

1. **B04SETREAD.BAT (5 points)**

This batch file:

* 1. Sets the READONLY bit ON for all files in C:\!STUDENT
  2. Sets the ARCHIVE bit ON for all files in C:\!STUDENT
  3. Uses the ATTRIB command to Display all files and attributes in C:\!STUDENT

1. **B05SETREAD2.BAT (5 points)**
   1. Sets the READONLY bit OFF for all files in C:\!STUDENT
   2. Sets the ARCHIVE bit ON for all files in C:\!STUDENT
   3. Uses the ATTRIB command to Display all files and attributes in C:\!STUDENT

1. **Create the file C:\!STUDENT\ABSENCE.TXT with NOTEPAD that contains the following:**

Absence makes the heart grow fonder,

Of someone else.  
  
Your Name Here \*\*\*\* **(where “your name” is actually your name)**

**B06SHOW-IT.BAT (5 points)**

* 1. Create a batch file that displays the contents of ABSENCE.TXT with the TYPE command.

1. **B07FULLBACK.BAT** (**5 points**)

This batch file will do a full backup of all **files and folders** in C:\!STUDENT to C:\!CLASSBACK7  
not including the !Student directory.

1. **B8INCRBACK.bat** (**5 points**)

This batch file creates an incremental backup of all files and folders in C:\!STUDENT to C:\!CLASSBACK8  
including the !Student directory.

1. **B9DIFFBACK.bat** (**5 points**)

This batch file creates a differential backup of all files and folders in C:\!STUDENT to C:\!CLASSBACK9

including the !Student directory.

1. **B10FullNIS.bat** (**5 points**)

Create a batch file named B10FullNIS.bat that does a full backup to C:\BACKUP1 of all files and subdirectories in C:\!Student Not including the directory !Student and checks to see if the backup was successful.   
  
If not successful then

* 1. issue an error message “Backup Failed Call Tech Support”
  2. then exit without resetting the archive bit.

1. **B11FullIS.bat**  (**5 points**)  
     
   Create a batch file named **B11FullIS.bat** that does a full backup to C:\BACKUP2 of all files and subdirectories in C:\!Student Including !Student directory and checks to see if the backup was successful. (**5 points**)  
     
   If not successful then
   1. issue an error message “Backup Failed Call Tech Support”
   2. then exit without resetting the archive bit.
2. **B12FullNIS.bat** (**5 points**)  
     
   Create a batch file named B12FullNIS.bat that does a full backup to C:\BACKUP3 of all files and subdirectories in C:\!Student not including !Student to a new directory Green in C:\BACKUP3 and checks to see if the backup was successful.  
      
     
   If not successful then
   1. issue an error message “Backup Failed Call Tech Support”
   2. then exit without resetting the archive bit.
3. **B13Parm.bat** (**5 points**)  
   Create a batch file B12Parm.bat   
   uses a parameter and displays the following message  
   “A great time was had by ??”   
   Where ?? is the first parameter.
4. **B14Parm.bat** (**5 points**)  
   Create a batch file B14Parm.bat that (**5 points**)  
   uses two parameters and creates the following directories   
   C:\!Student\??1  
   C:\!Student\??2  
     
   where ??1 is the first parameter   
   Where ??2 is the second parameter
5. **B15Parm2.bat** (**5 points**)  
   Create a batch file **B15Parm2.bat** that uses two parameters  
    and displays the following message  
   “There once was a man named AA BB”   
   Where AA is the first parameter and BB was the second parameter.
6. **B16Search.bat (5 Points)**  
   Create a batch file **B16Search.bat** that searches for the file Rose.TXT in C:\!Student and any subdirectories  
   using the DIR command.

1. Final Step
   1. Create a compressed file named **LAB07#######**  
      Where ###### is your last name
   2. Copy C:\!Student\batch and all subdirectories to the compressed file
   3. Copy C:\!Student\Lab7.docx (or .doc) to the compressed file
   4. Using Canvas E-Mail the compressed file to your instructor  
      Remember, batch files with no documentation will suffer a grade penalty of 2 points each.