

CIS106 – Homework #3

The usual requirements when submitting please.... Refer back to homework 1 or 2 if you're unsure.

In addition:

- Each if statement must include documentation that explains what the IF statement does (what's it checking for), what happens if the condition is true and what happens if the condition is false.
- please use all caps on label names
- please use descriptive label names
- please use indenting where appropriate for readability

- 1) Create a batch file named util.bat. The batch file must provide the user with a list of tasks to choose from. The tasks must include those listed in the below screenshot (**the wording of the menu options must be identical to what's presented below**), plus at least **one additional task** that you add (your choice). When a user selects a menu option, the respective task must be completed. The menu should look similar to the one presented below.

```
Please choose a task from the list below
-----
A) Display IP Settings
B) Display a list of all drives on this computer
C) Display contents of hosts file
D) Display OS Name & Computer Name
Q) Quit

Choose one    [A,B,C,D,Q]?
```

- You must use the CHOICE command and IF ERRORLEVEL.
- Do not use IF %ERRORLEVEL%==, you must use IF ERRORLEVEL – there is a difference.
- After performing the chosen task, the menu should redisplay
- The batch file should end ONLY when the user selects Q to quit
- Upon completion of the command used within each menu selection, a message should be displayed indicating the command has completed. Pause should be used at this point to give the user the opportunity to review the command's output and the message.
- All messages should be well formatted --- clean and uncluttered.
- Add some color to the screen (color /?)– have the batch file change the color of the text and background when starting and *set it back to what it was when ending*. You choose the colors.
- The batch file must also support a parameter of /? It must work like the /? works on typical commands. When /? is the value of the parameter, the batch file must present the command syntax/usage; it must state the purpose of the script, the syntax of the 'command' and an example of how the command should be used. The syntax must conform to syntax standards.

2)

- :: This batch file works. There are no errors.
- :: Test it. Make sure you understand what it
- :: it does. As you'll see, it doesn't do much 😊, but it does work
- :: **Your job for this problem is to add another color. If the user enters Y, display in yellow.**
- :: **In addition, convert the entire batch file to use one nested IF statement**
- :: **When done, there should be NO labels in the batch file**
- :: **and the batch file should continue to use a replaceable parameter**
- :: **as input from the user.**

:: The end product should work the same as it currently works (plus the added color)
:: Copy the Text from this screen into a file named
:: pick.BAT. Run the batch file using B, G, R, nothing and
:: any other character as a parameter.

```
::  
@ECHO OFF  
SET ANS=%1  
IF "%ANS%"==" " GOTO NOTHING  
IF /I "%ANS%"=="B" GOTO BLUE  
IF /I "%ANS%"=="G" GOTO GREEN  
IF /I "%ANS%"=="R" GOTO RED  
ECHO.  
ECHO INVALID ENTRY, PLEASE REENTER  
GOTO QUIT
```

```
:NOTHING  
ECHO.  
Echo You Entered Nothing  
Echo Please Reenter  
GOTO QUIT
```

```
:BLUE  
ECHO.  
color F1  
Echo You picked Blue!  
GOTO QUIT
```

```
:GREEN  
ECHO.  
color F2  
Echo You picked Green!  
GOTO QUIT
```

```
:RED  
ECHO.  
color F4  
Echo You picked Red!
```

```
:QUIT
```

- 3). Modify useradd.bat created in homework #2; name this adduser.bat. If you did not successfully complete that batch file in homework #2, you should consider doing so before working on this problem. This new batch file has all the requirements of the useradd.bat (including the fact that it needs to be created on the virtual machines) but instead of using conditional processing symbols to detect errors, use IF ERRORLEVEL. Do not use IF %ERRORLEVEL%, you must use IF ERRORLEVEL; there is a difference. No conditional processing characters should remain in the new version of this batch file.