

## CIS106 – Homework #4

The usual requirements when submitting please.... Also be sure to use spacing, and indenting in the script for readability. **Points will be lost if the script is not well formatted.** In addition, be sure to include clear and concise documentation; particularly where conditions are processed.

**NOTE: The topic of variable expansion will be covered after this homework is assigned. Please note that depending on the approach you take to completing the first batch file, you may need to deal with how variables are expanded. If you are using simple IF statements it will not be a problem but if you're using complex IF statements and things just aren't working as you thought they should, look ahead at the lecture on variable expansion (or... switch to simple IF statements).**

**For example: IF ERRORLEVEL 5 GOTO QUIT  
IF ERRORLEVEL 4 GOTO RESET (**  
**These are simple IF statements.**

- 1) Create a batch file that generates the below menu

```
Please choose a task from the list below
```

```
-----
```

```
A) Add a new user account  
B) Display all settings for an existing user  
C) Delete an existing user account  
D) Reset an existing user's password  
Q) Quit
```

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

- Use the SET /P command to prompt for a menu selection
- When Add a new User is selected,
  - Use Set /p to prompt for a login name.
  - Check if the user already exists, if the user exist, display an appropriate message and return to the menu.
  - If the user doesn't already exist, prompt for the user's password and full name and add the user. After the user account is added, display a message (one that includes the user's login name) that indicates the user was successfully added.
- When Display all settings for an existing user is selected,
  - Use set /p to prompt for the login name
  - Before displaying the user's information, confirm the user exists.
  - If it doesn't exist, display an appropriate message and return to the menu
- When delete an existing account is selected,
  - Use Set /p to prompt for the login name.
  - Before deleting the account, confirm it exists.
  - If it doesn't exist, display an appropriate message and return to the menu
  - If it does exist, delete it. After the user account is deleted, display a message (one that includes the user's login name) that indicates the user was successfully deleted.
- When reset an existing user's password is selected,
  - User set /p to prompt for the login name.
  - Confirm the user exists before attempting to reset the password.
  - If the user doesn't exist, display an appropriate message and return to the menu.
  - If the user does exist, change his/her password. After the user's password is reset, display a message (one that includes the user's login name) that indicates the user was successfully deleted.

- All messages presented must be generated by you; no system messages should be displayed.
- Keep a tally of the number users that were added, the number of users that were deleted and the number of passwords that were changed
- The batch file should not end until the user chooses to quit. When the batch file ends, display an appropriate message informing the user how many users were deleted, how many were added and how many passwords were changed.
- If /? is entered as a parameter the batch file's general purpose and syntax must be *professionally* presented.

2) Create a batch file named **welcome.bat** that will display the below message. The values in italics are based on the current date and the current time. The "morning, afternoon or evening" message must be based on the time of day: anything before noon is morning, from noon to 6 p.m. is afternoon and anything after 6 pm is evening. The full month name and the full day name must be used in the message. Do not use 12 if statements to get the full month name and don not use 7 if statements to get the full day name. Use a variable and the CALL SET command (as presented in class) to get the full month and full day names. When creating variables in this batch file, they must be configured as local variables.

Hello *%username%*.  
 Today's date is *Current System Date*  
 It is currently *Current system time (12 hour clock)*

Today is *FullNameOfDayOfWeek*, and it is *FullMonthName, DayOfMonthNumber 4 digit year*.  
 Have a wonder (*morning, afternoon or evening*)!

Three sample outputs are presented below. The message must be formatted exactly as displayed below. Pay attention to spacing, formatting, wording and punctuation.

**Sample output 1:**

```
Hello jarruda44.
Today's date is Fri 03/02/2018
It is currently 06:14 PM

Today is Friday, and it is March 02, 2018.
Have a wonderful Evening !
```

**Sample output 2:**

```
Hello jarruda44.
Today's date is Fri 03/02/2018
It is currently 06:00 AM

Today is Friday, and it is March 02, 2018.
Have a wonderful Morning !
```

**Sample output 3:**

```
Hello jarruda44.
Today's date is Fri 03/02/2018
It is currently 04:00 PM

Today is Friday, and it is March 02, 2018.
Have a wonderful Afternoon !
```

3) Create a batch file that determines the number of hidden files in a **directory** and the number of hidden directories in a directory. The batch file should display a message exactly like the one below. The message must include the total number of files in the directory, the number of files that are hidden and the number of files that are not hidden. In addition, the message must include the total number of directories in the directory, the number of directories that are hidden and the number of directories that are not hidden. When creating variables in this batch file, they must be configured as local variables.

The batch file's name must be **Count.bat**. The directory name must be provided using the set /p command.

```
X:\>count|
```

```
What directory would you like to check? C:\batch
```

```
There are a total of 35 files in the C:\batch Directory.
```

```
Of the 35 files, 9 are hidden and 26 are not hidden.
```

```
There are a total of 10 directories in the C:\batch Directory.
```

```
Of the 10 directories, 1 is hidden and 9 are not hidden.
```