CS 360 Group Project: Python Contact Manager   **DUE: October 24, 2014, 11:45 am**

Each group has been given a GitHub repository cs360f14/PythonContactManager-Group#

This is a simple contact manager like the first group project. None of the code has been implemented except for the call to main() and the display of the menu to the user. You must provide all of the code for this project.

ContactManger.py - contains main() and the function to display the menu.

ContactData.py - DO NOT ALTER THIS FILE - contains a List (DATA, a Global Variable) which contains all of the contact data. While this is a global variable, do not use DATA as such. DATA is passed to main() and from there must be passed to every function that needs it.

You are required to implement menu items 0-5 (0-4 for 2 person teams). Menu item 6 is a bonus.

You may add any other Python files you need. You may choose to write a Python file (also called a module) per functionality unit and include that module in ContactManager.py via the **from** command shown below. This may help to reduce the number of merge conflicts that arise.

```
from ModuleName import * # ModuleName is the Python filename minus the .py
```

A grading rubric is on the next page.

You are required to use PyDoc comments, good open source principles, coding standards, and good software development techniques on this project.   Add DocTest tests where you can. Note that DocTest tests the stdout (print()) plus the return value of a function!
https://docs.python.org/3/library/doctest.html

The existing repositories do not have any Issues, and you are not *required* to add Issues. *However,* if you think adding Issues and then assigning these Issues to team members will help you stay on task and track everyone's work, you are welcome to do so.
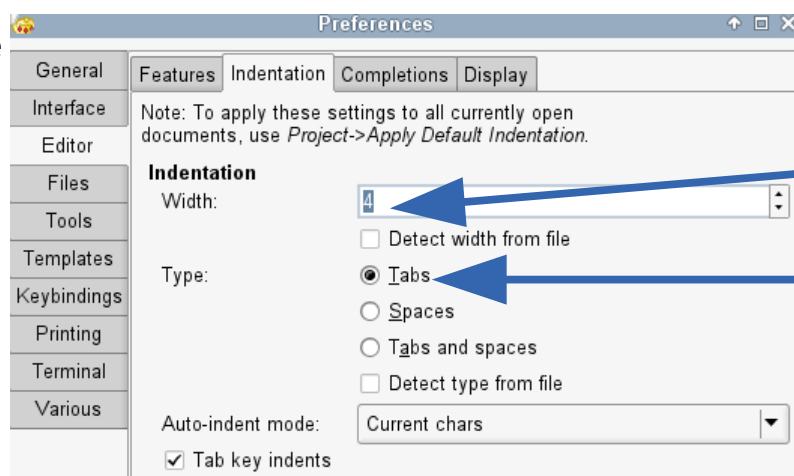
Pull requests must receive a proper review from someone other than the submitter before the Pull request is merged into the group repository.

Note: Always use TABS not spaces to indent!

Review the .gitignore file to see all the items you won't be putting onto GitHub!

Check out:

https://github.com/cs360f14/PythonExamples_Lectures for Python examples!

Coding Standards 　comments (PyDoc) 　Tabs: 4 spaces 　No misuse of the variable DATA	
Pull Requests 　Reviewed before accepted Each team member produced a pull request 　Team member 1 　Team member 2 　Team member 3 Each team member reviewed a pull request 　Team member 1 　Team member 2 　Team member 3 Each team member resolved a pull request 　Team member 1 　Team member 2 　Team member 3	
Menu item 0 All entries are displayed nicely to the screen	
Menu item 1 Search shows all entries for a given office location These entries are displayed nicely	
Menu item 2 An entry can be added	
Menu item 3 An entry can be deleted	
Menu item 4 Search shows all entries for a given First Name These entries are displayed nicely	
Menu item 5 Search shows the First Entry for a given email These entries are displayed nicely	
Menu item 6 BONUS The data can be written to a file in CSV format (comma separated values)	BONUS: Allow searching via regular expressions. For example: 1) find all entries whose first name starts with S. 2) find all entries whose email address contains the string *enim*