**Junior Knights - Course 2 Week 3 Assignment: Large File Input**

In class we looked at processing large weather files. Write two programs that read these files (with the added -1 termination) and do the following:

1) Calculate the average temperature for each year and print out a chart with this data, ordered by year.

2) Add to the first program to sort the output of the chart by temperature, from highest to lowest.

In addition, write a third program to calculate anything you’d like to, based on the weather data.

Finally, feel free to find other data you think is interesting (stocks, sports statistics, election data, etc.) and write a program to process those files. You’ll need to find files that are regular text files without too much excess data, stored in a relatively simple format.

**Deliverables**

Please email to Gabriel ([khotchner@knights.ucf.edu](mailto:khotchner@knights.ucf.edu)) the following files:

1) avgyear.c or avgyear.py for your solution to the first program

2) sortavgyear.c or sortavgyear.py for your solution to the second program

3) Your third program, which you can name anything you want

4) Your fourth program (optional), which you can name anything you want