

## Syntax Problem #6

### Objectives

1. Practice writing Python code and using comments.
2. Practice running Python code.
3. Use file input into the program.

### Problem

1. Write a Python program that reads in SOI data from **soi\_data.txt**. Find the maximum and minimum values of SOI for a given year. Output the year, maximum SOI, and minimum SOI value for the year requested to standard output. Use the following structure for your code:
  - a. Copy and start with code from **syntax6.py**.
  - b. Read in all data.
  - c. Determine max and min values for 1997.
    - i. Once that works, make the code generalizable so it can be used for any year.
  - d. Output needed values to standard output.

*Files are located in /pragmatic\_python/syntax\_problems/data/*

### Notes:

- Double check to make sure you have the correct output for each year.
- Make sure documentation (e.g., comment block and comments throughout code) is present in your source code.
- Make output informative so that anyone running your program understands what is being produced without seeing the assignment.
- Name the program **syntax6\_<username>.py** and place a copy in /share/share/syntax\_problems/