

Syntax Problem #6

Objectives

1. Practice writing and running Python code
2. Use File I/O for input into program
3. Using computer programming techniques learning in Fortran in Python syntax

Due by the end of class.

Problem

1. Write a Python program that reads in SOI data (`soi_data.txt`; available at `/archive/courses/met330`) and 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 program code:
 - a) Read in all data (start with code from `syntax6.py` in `/archive/courses/met330`)
 - b) Determine max/min values for 1997
 - c) Output needed values to standard output

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 understand what is being produced without seeing the assignment.
- Name the program **`syntax6_<username>.py`** and place a copy in `/archive/courses/met330/syntax_problems`