

# Syntax Problem #11

## Objectives

1. Practice writing and running Python code.
2. Use Pandas read functionality.
3. Isolate pieces of read-in data.

## Problem

1. Write a Python program that reads in surface data, *kvpz\_20161006\_surface.dat*, using Pandas read functionality.
2. Print all of the temperatures to standard output. Find and print the maximum and minimum temperature from that time series.

Use the following structure for your code:

- a) Read in all data, isolate the temperature array and store in a unique variable namespace.
- b) Determine max/min values the time series, store in their own variable namespaces.
- c) Output all of the temperatures and the max/min values with units to standard output.

## Notes:

- Double check to make sure you have the correct output.
- 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 **`syntax11_<username>.py`** and place a copy in `/share/share/syntax_problems/`.