**Day 2: Sublime & Flake 8** Name:

Some of the best coders are so comfortable using the command line that they write ALL of their programs in VIM through the terminal. Crazy, right? If you aren’t that hardcore then there are other options like Sublime Text for writing simple text files.

1. Download it here:

<https://www.sublimetext.com/>

You can open it like you would open up any other application through Finder – Applications. You can then create a file as if you were typing into something like Word or Notepad, save it, and then run it from the command line. Just make sure that wherever you saved the Sublime text file is in the same place as your current working directory of your terminal when you go to run your code.

1. Open up the lintingexample.py example contained within the Unit8Student/Day2Linting folder using Sublime.

2. Open up a terminal and navigate down into the Day2Linting folder (so that when you type pwd you should see “Day2Linting” in the path name.

3. Type “python lintingexample.py” to run this program from your terminal.

Okay, this program runs, but it has a lot of linting errors. Let’s use the flake8 package to help us lint.

4. In your terminal, type “conda install flake8” and type “y” if it asks you any questions. If conda does not work, try “pip install flake8”.

5. Now in your terminal, type “flake8 lintingexample.py”

6. You should see a bunch of linting errors come up. Fix them all until they are all gone. Hint: if you need to continue a string onto a second line, you can type a backslash at the end of the string that you would like to continue.

**Homework:**

Using Sublime or Vim, write a python program called day2.py that contains the following functions:

1. A function called largest that takes in a list of integers as input and returns the largest number as output. Do not use the built-in Python max or sort functions. Note: if you need to refer to a very large positive value in Python you can use “float('inf')” or a for a very large negative value use “-float('inf')”.

2. A function called userlargest that takes in no input and asks the user to enter integers separated by spaces. The function then calls the largest function in order to return the maximum integer that the user enters.

3. Write a function called filelargest that reads in the lotsofnumbers.txt file and returns the maximum integer.

4. Your file must be free of linting errors. Use flake8 to help you.

5. The file will look something like this:

