

## Week 7 Exercises to be reviewed on October 13

Please use the i206 style guidelines found here:

<http://blogs.ischool.berkeley.edu/i206f10/assignment-style-guidelines/>

Make sure to add the header to your files like so:

```
#!/usr/bin/env python

__author__ = 'Ariel Chait'
__email__ = 'ariel@ischool.berkeley.edu'
__python_version__ = '3.2.1'
__can_anonymously_use_as_example__ = True

# Code starts here
```

Use i90 as the class number the week as the assignment name and leave out the document type so this assignment would be saved as **i90\_week7\_ariel.py**

1. Write your own sum function called **mySum** that takes a list as a parameter and returns the accumulated sum
2. Write a second function called **maxListSum** that takes a list of lists and returns the maximum sum of any of the lists, use your **mySum** function to calculate sums in your **maxListSum** function
3. Write a third function called **maxListIndex** that takes a list of lists and returns the index and sum of the list with the maximum accumulated sum. Use your **mySum** function to calculate sums in this function as well.
4. Two words are anagrams if you can rearrange the letters from one to spell the other. Write a function called **is\_anagram** that takes two strings and returns True if they are anagrams.
5. Write a second function called **isSameBackwards** that takes two strings, turns them into lists, and returns True if they are the same but backwards.