

Wk2 Homework

1. Read the type hierarchy and cheatsheet I've provided. Also look at the online Python references I've linked to in the type hierarchy. It's not important to learn everything that's in these sources, but I want you to know where these things are.
2. If we haven't gone over them in class already, learn the `.strip()` and `.split()` string methods
3. So far all the example data that students have sent in has been tabular, so we'll work with data of that type. Below you will find a list of lines from a typical comma separated file (csv). `List[0]` is the first line of the file, `List[1]` the second, and so on. You should be able to open the file in Excel and take a look, if you like. Reading in a file and packing it in a list is often the first step in a script, and we'll cover how to do it next time, but for now, I'd like you do the following:
 - a. Note the white space character "`\n`" at the end of each line. This tells text editing programs to insert a line break there, but we don't care about it. Write the code to make a new list with these removed.
 - b. Next, write the code to turn each line from the file into a list, contained by an outer list (lists of lists!). Each inner list will be like a row in the csv, and should each have the same amount of entries (columns).
 - c. Now that you've done this, I'll bet you're wondering how to access the inner lists. The number of beast1s at site 1 is `My_final_list[1][1]`. The indexing is read from left to right, so the number of beast1s at site 2 is `My_final_list[1][2]`

```
['site1,site2,site3\n', 'beast1,4,0,16\n', 'beast2,0,35,11\n',  
'beast3,2,1,0\n']
```