# Python 1 – Strings and Lists

These activities purposely use programming lingo to make sure that you not only learn how to type the commands, but actually learn what they are/do. You may have to look back over the slides or cheat sheet before it's clear what you are being asked to do.

## Declarations

Open the interpreter. Make a variable of *type* "string". Make sure your variable actually contains the string you think it should. Now make another variable of *type* "list", and check its contents.

Make a new string variable that includes the character '\n' in the middle of the string, e.g.: 'my\nstring'. Print your first and second string variables using the 'print' command.

>>> print *variable*

Does this convince you that you need to manage your whitespace characters carefully?

## Working with Strings and Lists

Try adding and removing items to your list with the *methods* that we've covered in class. Now try concatenating the two strings that you've created using the *operator* that we covered.

Use a 'for loop' to print each item in the string and list variables that you've made. This works for both types, because both types are *containers* and can be iterated over. Make a new variable which is the list variable you created turned into a string (use type conversion). Now iterate over this variable and notice how the behavior of the for loop output has changed.