

Lab Exercises formatting guidelines

- If you want to send your code through email for any help/feedback, please attach only **.py files** on email
- Send to (Kelly) hr2362@columbia.edu with your **name** in the title
- See example code if you need more guidance!

<Length of code on each line>: Set it to 79 characters

When you first download Anaconda, the max number of characters per line in the editor should be preset to 79. The limit is shown in your editor with a vertical gray line.

If you don't see this line or want to make sure the limit is set correctly,

Go to python>Preferences>editor

Check the box for "Show vertical line after" → set it to 79

Check the box for "Wrap lines" to make the lines automatically separate after 79 characters

This will automatically prevent your code from going on and on in one line

<Headers>

Include a header at the top of **each file you submit**

```
#####  
# SHP Computer Programming in Python  
# Date of Lab  
# Name :  
#  
# File contains...  
# e.g. file contains function to determine if string is palindrome  
#####
```

<Import>

Write all import statements just below the header (before anything else)

e.g. `import random`

<Indentation>

Especially when you have if, for, while statements, indent **4 spaces** in each line for the entire block of code. (spyder will most likely do this for you) Continue indenting every time you have loops inside loops.

For example, this would be good:

```
for x in range(4,10):  
    if(x<6):  
        print('{} is less than 6'.format(x))  
    elif(x==6):  
        print('same')  
    else:  
        print('{} is greater than 6'.format(x))
```

<Comments>

Include comments to help the user understand what the main functions of certain blocks of code are.

Comments begin with "#". It is not necessarily better to have as many lines of comments as possible; it is generally best to have one or two lines for every block of code.