

You will need to review the code I provide below. The first 3 lines you will need in your assignment, the rest is an example on how to utilize new functionality. I do not expect you to quite yet understand the first 3 lines and how they were formed. But you will see that you can use a method of match on the variables that can be used to search a string for certain character sequences. The 2 comparisons below check for phone numbers in xxx-xxx-xxxx format and strings with only letters. You will write a script that takes in a few pieces of data to build a small phone book. You will use methods discussed in class to determine only numbers are entered for the first question to the user. Then you will use the match method on the lines I provided to check for names and phone numbers. If data is entered incorrectly they question should just be repeated.

- 1-ask for number of entries
- 2-Takes in a name and number for each
- 3-Adds that data to a list
- 4-Prints out the list after taking in all of the data

```
import re
phonereg = re.compile('\d{3}-\d{3}-\d{4}$')
lettersreg = re.compile('[a-zA-Z]+$')

varX = "John"
if lettersreg.match(varX):
    print("got it")
else:
    print("no good")

varY = "555-515-1234"
if phonereg.match(varY):
    print("got it")
else:
    print("no good")
```