Do Now

**Reviewing: dictionaries, lists, for loops**

1) I have a list called bubblegum. How do I get the first element? The last element?

2) What function or method…

…tells how many elements are in a list?

…replaces text in a string with other text?

…gives you the keys of a dictionary?

3) What is the output of the following code? Which lines give you errors?

borough\_name = 'Manhattan'

z = [ 'Manhattan', 'Queens' ]

x = { 'borough\_name': 'Manhattan', 'population': 500 }

y = {

'Manhattan': 500,

'Queens': 200

}

print x['borough\_name']

print x[borough\_name]

print x[0]

print y['borough\_name']

print y[borough\_name]

print y[0]

print z['borough\_name']

print z[borough\_name]

print z[0]

4) Print out each art piece’s name.

art\_pieces = [

{ ‘title’: ‘Gold Star’, ‘year’: 1805 },

{ ‘title’: ‘Blunderbuss‘, ‘year’: 1800 },

{ ‘title’: ‘Chairlift’, ‘year’: 1976 },

{ ‘title’: ‘Rancor’, ‘year’: 2002 }

]

5) Given the following, write code to calculate how many murders we have in total.

murders = { 'Albany': 23, 'Kings County': 10, 'Rochester': 7, 'Yonkers': 9 }