Variable types: bool(), int()

List: mylist = [1,2,”sweet”]

Get from a list: index starts from 0, [start:end] is [inclusive, exclusive],[:4] and [1:] also applys

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| myList | dagd | dgagd | qwev | zcxb |
| index | 0 | 1 | 2 | 3 |
| or | -4 | -3 | -2 | -1 |
| myList[1:3] |  | \* | \* |  |

]

Change, extend or delete from a list:

Area[-4] = “dad”

X = X + [“afd”, 4]

Del(x[1])

newList = myList1 + myList2

functions: type(myList)

methods: call functions on objects. Everything = object, object have methods associated, depend on type

list methods: myList.index(), myList.count(), myList.append(“newsasdf”)

str methods: myStr.captalize()

package:

import math

from math import pi

numPy:

np\_weight = np.array(weight)

np\_height = np.array(height)

np\_height / np\_weight

looping data structures:

Dictionary:

For key, val in my\_dict.items():

Numpy array:

For val in np.nditer(my\_array):