**CISC 121: Lecture 7**

myList = [8,9,10,”eat”]

print(myList)

for I in myList:

i= i+ 1

* len(myList) 🡪 good built in function len, for length of list

**use:**

for i in range(len(myList)):

myLis[1]= myList[i] + 1

print(myList) 🡪 prints just the final output, because it’s outside the for loop

🡪 range(4)🡪 [0,1,2,3] – indexes of list elements

***Lists of Lists***

myList = [ [‘rob’,123,43], [‘gill’,234, 43] ]

for I in myList:

for j in i:

print j

<continue evaluation>

[2,7,9,5,4,6,7]

🡪 using the slicer (slice, but taking out something)

shortList = myList[2:5]🡪 [9,5,7]

myList[:6]

myList[1:]

if (“9 in myList):

do something…

**example**

name = “wendy”

print(name[2])

print(name[0,9,2]0

🡪 lists are mutable, strings are immutable

**Dictionary**

phonebook = {“mary”:613736924904}

🡪 you can collection of keys

* often times we see dictionaries use text

**Assignment**

🡪 you’re gonna have a bunch of functions, with code

🡪 last thing you should have (second last thing), is a function called main, it is what you put, to start your program , “welcome to my program”

* call to main()
* Python interpreter reads script from top to bottom
* Main(), should executable code (only thing outside a function in the program)

🡪 storage of information – should be stores in only one data structure 🡪 list, dictionary, etc.

- use parameters to call for functions above