“Homework8” Justin Minsk

1.

>>> kingdom = ['Bacteria', 'Protozoa', 'Chromista', 'Plantae', 'Fungi', 'Amnimalia']

>>> kingdom[0]

'Bacteria'

>>> kingdom[-1]

'Amnimalia'

>>> kingdom[0:3]

['Bacteria', 'Protozoa', 'Chromista']

>>> kingdom[2:5]

['Chromista', 'Plantae', 'Fungi']

>>> kingdom[4:6]

['Fungi', 'Amnimalia']

>>> kingdom[6:]

[]

2.

>>> appointments = ['9:00', '10:30', '14:00', '15:00', '15:30']

>>> appointments.append('16.30')

>>> appointments

['9:00', '10:30', '14:00', '15:00', '15:30', '16.30']

>>> appointments + ['16:30']

['9:00', '10:30', '14:00', '15:00', '15:30', '16.30', '16:30']

The append added to the list the + just created a new list.

3.

>>> ids = [4353, 2314, 2956, 3382, 9362, 3900]

>>> ids.remove(3382)

>>> ids

[4353, 2314, 2956, 9362, 3900]

>>> ids.index(9362)

3

>>> ids.insert(4, 4499)

>>> ids

[4353, 2314, 2956, 9362, 4499, 3900]

>>> ids.append([5566, 1830])

>>> ids

[4353, 2314, 2956, 9362, 4499, 3900, [5566, 1830]]

>>> ids.reverse()

>>> ids

[[5566, 1830], 3900, 4499, 9362, 2956, 2314, 4353]

>>> ids.remove([5566, 1830])

>>> ids.append(5566)

>>> ids.append(1830)

>>> ids

[3900, 4499, 9362, 2956, 2314, 4353, 5566, 1830]

>>> ids.sort()

>>> ids

[1830, 2314, 2956, 3900, 4353, 4499, 5566, 9362]

4.

def same\_first\_last(L):

"""(list)->bool

Precon: len(L) <= 2

Return true if and only if first item of the list is the same as the last.

>>>same\_first\_last([3, 4, 2, 8, 3])

True

>>>same\_first\_last(['apple', 'banana', 'pear'])

>>>same\_first\_last([4.0, 4.5])

"""

if L[0] == L[-1]:

return True