Python advance assignment 14:

Q1) += is very marginally faster. Only with very high iterations (in millions), we can see fraction of seconds’ difference.

Q2) 5 lines- variable initiation, for loop, 3 logic statements in for loop

Q3) for loop.

for i in range(len(list)):

list[i] = 0

Q4) list1 = []

i = 0

while i<99:

list1.extend([1,2,3])

i = i + 3

Q5) print(list\_name)

Q6) list.append(“string”)

Q7) by typing Control - P to the python prompt

Q8) data can be stored along with operations of functions. Part-whole relationships can be represented with objects.

Q9) decorators are wrappers around functions. Wrappers class includes class decorators, function decorators etc. Decorators wrap one function/class inside another to extend behaviour of wrapped function/logic without permanently modifying it. Thus, the wrapped feature is one that gets wrapped to get behaviour changed.

Q10) generator function returns iterator object with a sequence of values.

Q11) replacing return with yield.

Q12) less memory usage, time saving etc.