Answer Sheet - Dilshan Perera

(1)

"""How the array 'a' is entered isn't specified

So, I assumed integers are entered with spaces"""

#To create the array 'a'

a = input().split()

for k in range(len(a)):

a[k] = int(a[k])

#To get the length of array 'a'

len = int(input())

max\_ = a[0]

secMax = a[0]

for i in range(len):

if a[i] > max\_:

secMax = max\_

max\_ = a[i]

elif a[i] > secMax and a[i] != max\_:

secMax = a[i]

#prints the maximum integer

print(max\_)

#prints the second maximum integer

print(secMax)

(2)

str = list(input())

len = int(input())

i = int(input())

n = int(input())

final = ""

for j in range(len):

if j >= i and j < (i+n):

final += ""

else:

final += str[j]

print(final)

(3)

"""Here also, how the data array is entered isn't specified

So, I assumed time series data are entered with spaces"""

a = input().split()

for k in range(len(a)):

a[k] = int(a[k])

f = int(input())

n = int(input())

samples = (f/60)\*n

sampleSize = n/samples

sampleSize = int(sampleSize)

final = []

avg = 0

#This loop is faulty. Didn't have enough time to figure it out.

for i in range(1, n+1, sampleSize):

for i in range(i, i+sampleSize-1):

avg += a[i]

avg = avg/sampleSize

final.append(avg)

print(final)