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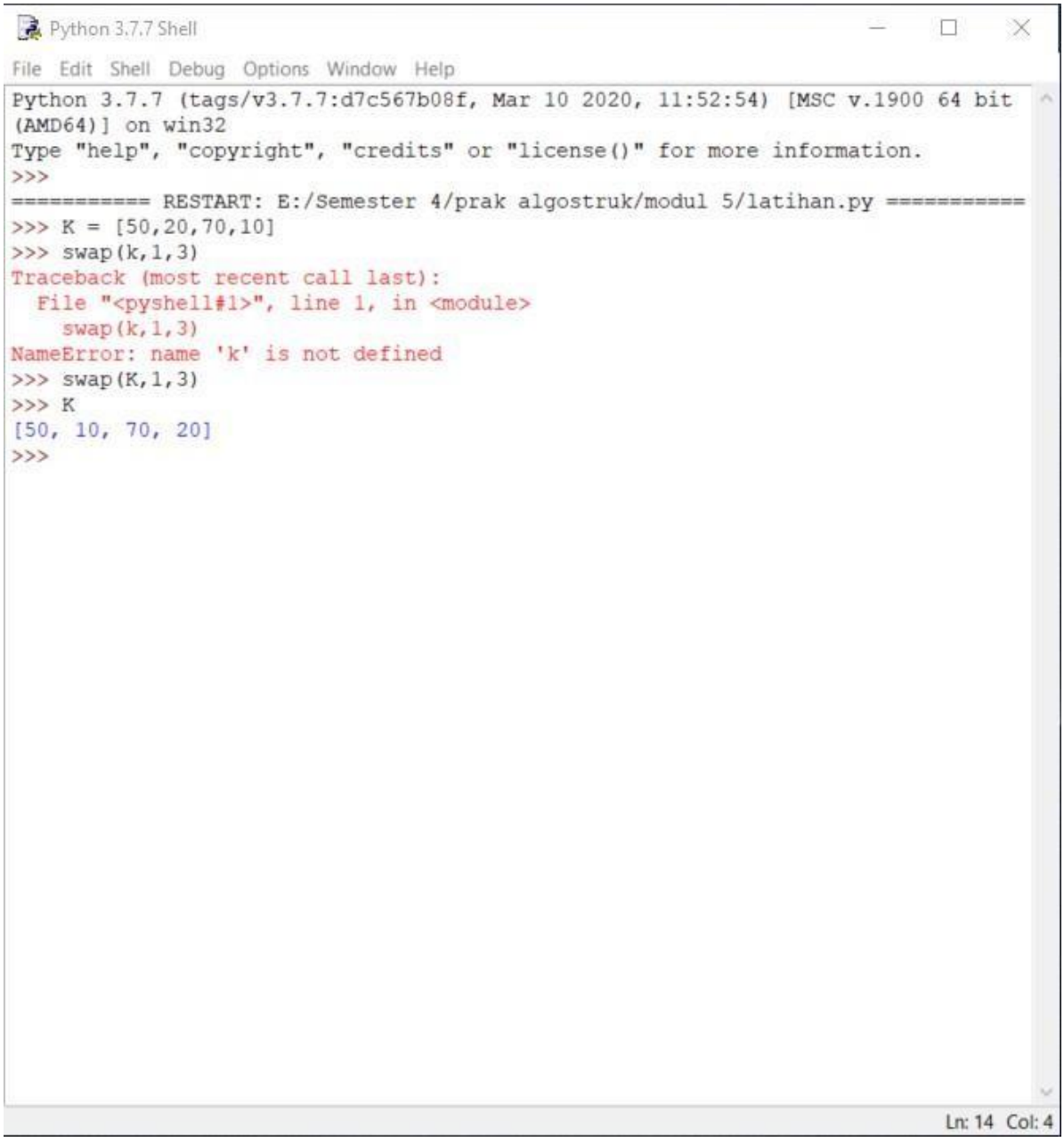
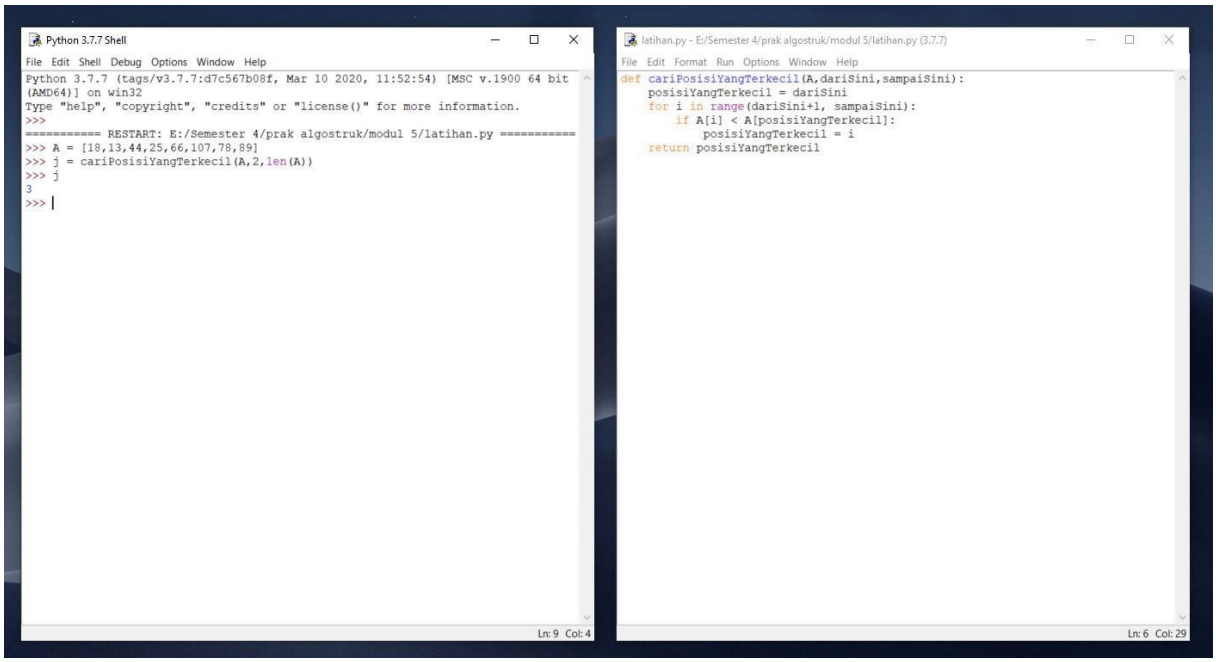
NIM : L200180162

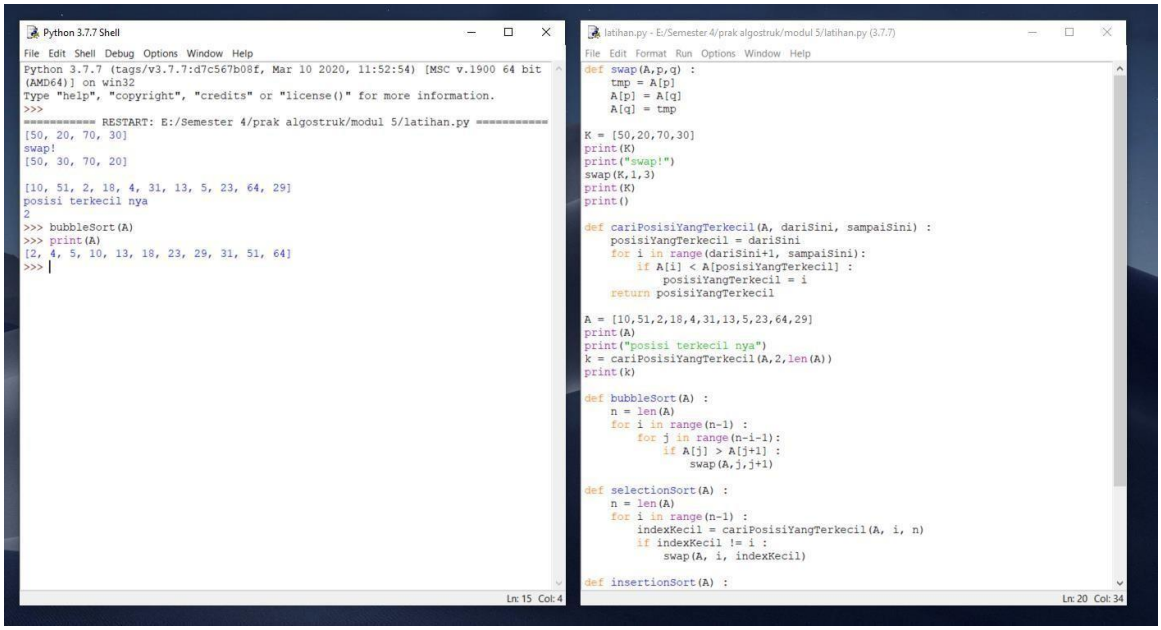
Kelas : F

PRAK ASD MODUL 5 LATIHAN

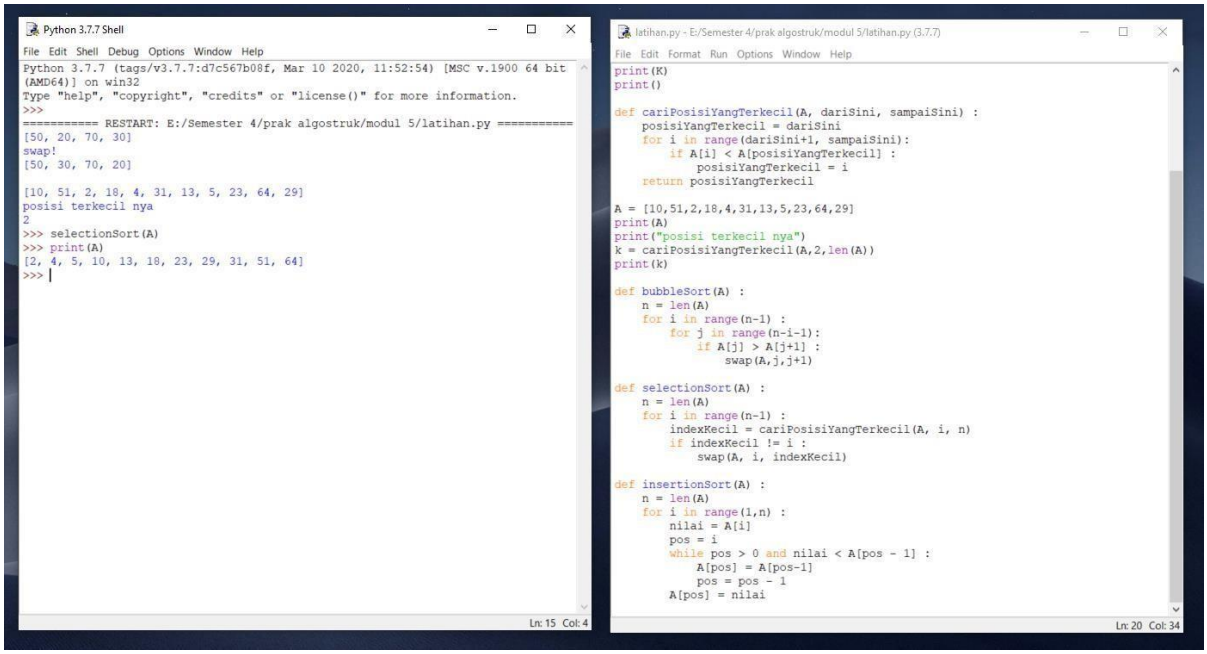



Python 3.7.7 Shell
File Edit Shell Debug Options Window Help
Python 3.7.7 (tags/v3.7.7:d7c567b08f, Mar 10 2020, 11:52:54) [MSC v.1900 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: E:/Semester 4/prak algostruk/modul 5/latihan.py ==========
>>> A = [18,13,44,25,66,107,78,89]
>>> j = cariPosisiYangTerkecil(A,2,len(A))
>>> j
3
>>>
Ln: 9 Col: 4
latihan.py - E:/Semester 4/prak algostruk/modul 5/latihan.py (3.7.7)
File Edit Format Run Options Window Help
def cariPosisiYangTerkecil(A,dariSini,sampaiSini):
posisiYangTerkecil = dariSini
for i in range(dariSini+1, sampaiSini):
if A[i] < A[posisiYangTerkecil]:
posisiYangTerkecil = i
return posisiYangTerkecil
Ln: 6 Col: 29

Bubble sort


Python 3.7.7 Shell
File Edit Shell Debug Options Window Help
Python 3.7.7 (tags/v3.7.7:d7c567b08f, Mar 10 2020, 11:52:54) [MSC v.1900 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: E:/Semester 4/prak algostruk/modul 5/latihan.py ==========
[50, 20, 70, 30]
swap!
[50, 30, 70, 20]
[10, 51, 2, 18, 4, 31, 13, 5, 23, 64, 29]
posisi terkecil nya
2
>>> bubbleSort(A)
>>> print(A)
[2, 4, 5, 10, 13, 18, 23, 29, 31, 51, 64]
>>>
Ln: 15 Col: 4
latihan.py - E:/Semester 4/prak algostruk/modul 5/latihan.py (3.7.7)
File Edit Format Run Options Window Help
def swap(A,p,q) :
tmp = A[p]
A[p] = A[q]
A[q] = tmp
K = [50,20,70,30]
print(K)
print("swap!")
swap(K,1,3)
print(K)
print()
def cariPosisiYangTerkecil(A, dariSini, sampaiSini) :
posisiYangTerkecil = dariSini
for i in range(dariSini+1, sampaiSini):
if A[i] < A[posisiYangTerkecil] :
posisiYangTerkecil = i
return posisiYangTerkecil
A = [10,51,2,18,4,31,13,5,23,64,29]
print(A)
print("posisi terkecil nya")
k = cariPosisiYangTerkecil(A,2,len(A))
print(k)
def bubbleSort(A) :
n = len(A)
for i in range(n-1) :
for j in range(n-i-1):
if A[j] > A[j+1] :
swap(A,j,j+1)
def selectionSort(A) :
n = len(A)
for i in range(n-1) :
indexKecil = cariPosisiYangTerkecil(A, i, n)
if indexKecil != i :
swap(A, i, indexKecil)
def insertionSort(A) :
Ln: 20 Col: 34

SelectionSort



insertionSort