Modul 5

NIM : L200180132

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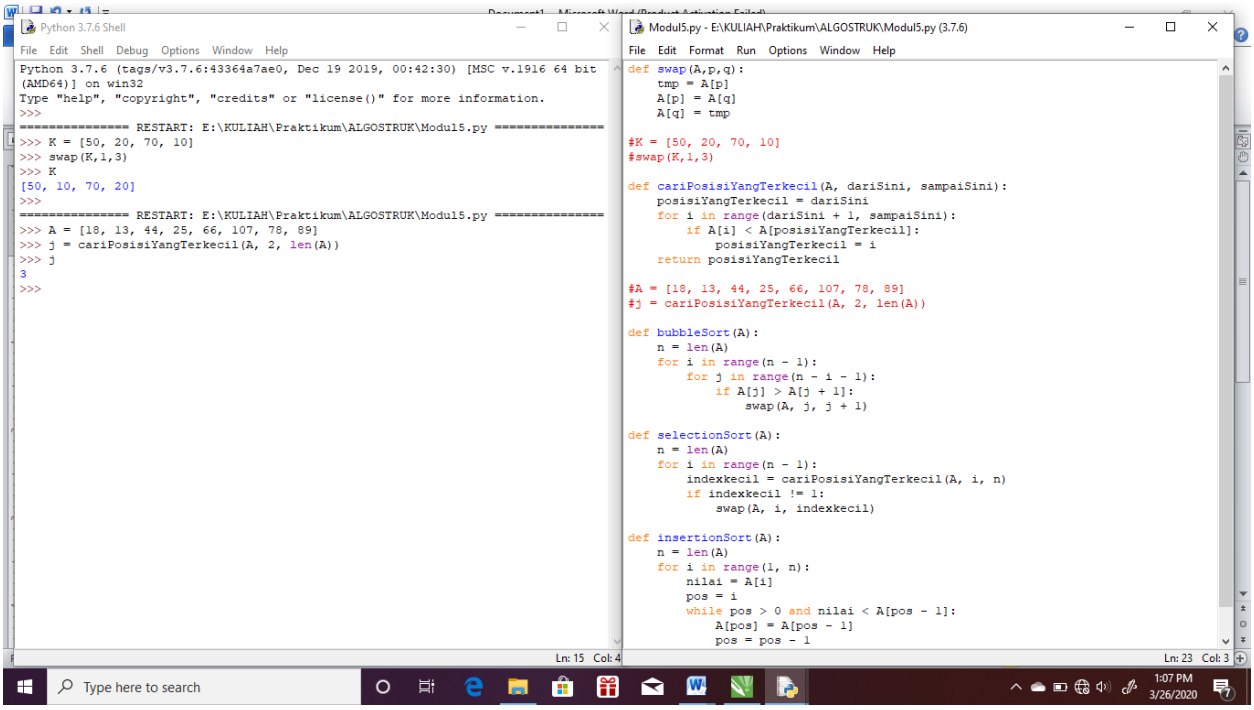
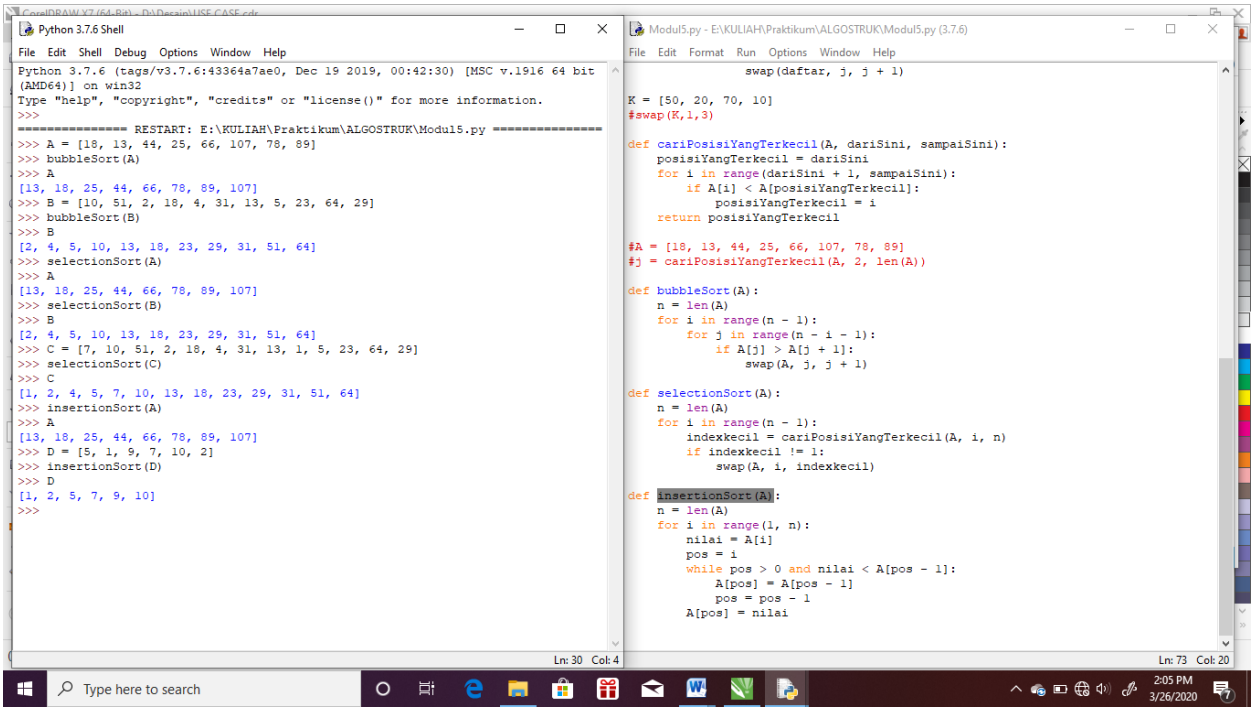
Mata Kuliah : Praktikum Algoritma & Struktur Data

Tanggal Praktikum : 26 Maret 2020




Python 3.7.6 Shell
File Edit Shell Debug Options Window Help
Python 3.7.6 (tags/v3.7.6:43364a7ae0, Dec 19 2019, 00:42:30) [MSC v.1916 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: E:\KULIAH\Praktikum\ALGOSTRUK\Modul5.py ==========
>>> A = [18, 13, 44, 25, 66, 107, 78, 89]
>>> bubbleSort(A)
>>> A
[13, 18, 25, 44, 66, 78, 89, 107]
>>> B = [10, 51, 2, 18, 4, 31, 13, 5, 23, 64, 29]
>>> bubbleSort(B)
>>> B
[2, 4, 5, 10, 13, 18, 23, 29, 31, 51, 64]
>>> selectionSort(A)
>>> A
[13, 18, 25, 44, 66, 78, 89, 107]
>>> selectionSort(B)
>>> B
[2, 4, 5, 10, 13, 18, 23, 29, 31, 51, 64]
>>> C = [7, 10, 51, 2, 18, 4, 31, 13, 1, 5, 23, 64, 29]
>>> selectionSort(C)
>>> C
[1, 2, 4, 5, 7, 10, 13, 18, 23, 29, 31, 51, 64]
>>> insertionSort(A)
>>> A
[13, 18, 25, 44, 66, 78, 89, 107]
>>> D = [5, 1, 9, 7, 10, 2]
>>> insertionSort(D)
>>> D
[1, 2, 5, 7, 9, 10]
>>>
Ln: 30 Col: 4
Modul5.py - E:\KULIAH\Praktikum\ALGOSTRUK\Modul5.py (3.7.6)
File Edit Format Run Options Window Help
swap(daftar, j, j + 1)
K = [50, 20, 70, 10]
#swap(K,1,3)
def cariPosisiYangTerkecil(A, dariSini, sampaiSini):
posisiYangTerkecil = dariSini
for i in range(dariSini + 1, sampaiSini):
if A[i] < A[posisiYangTerkecil]:
posisiYangTerkecil = i
return posisiYangTerkecil
#A = [18, 13, 44, 25, 66, 107, 78, 89]
#j = cariPosisiYangTerkecil(A, 2, len(A))
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):
n = len(A)
for i in range(1, n):
nilai = A[i]
pos = i
while pos > 0 and nilai < A[pos - 1]:
A[pos] = A[pos - 1]
pos = pos - 1
A[pos] = nilai
Ln: 73 Col: 20
Type here to search
2:05 PM
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