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Kelas: D

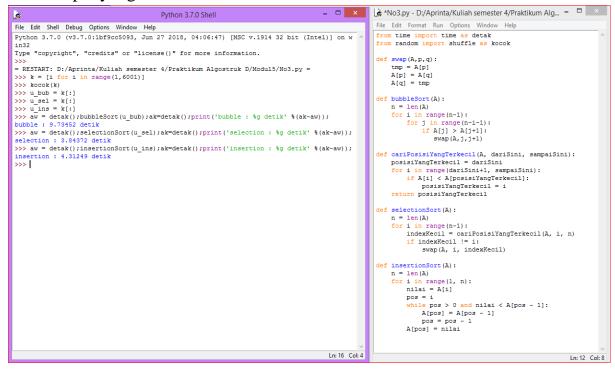
MODUL 5 PENGURUTAN

1. Program untuk mengurutkan array mahasiswa berdasarkan NIM

2. Menggabungkan array yag sudah urut

```
_ 🗆 X
                                  Python 3.7.0 Shell
                                                                                     No2.py - D:/Aprinta/Kuliah semester 4/Prakti... -
File Edit Shell Debug Options Window Help
                                                                                     File Edit Format Run Options Window Help
Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:06:47) [MSC v.1914 32 bit (Inte
                                                                                     def insertionSort(A):
1)] on win32
                                                                                         n = len(A)
Type "copyright", "credits" or "license()" for more information.
                                                                                         for i in range(1, n):
                                                                                             nilai = A[i]
= RESTART: D:/Aprinta/Kuliah semester 4/Praktikum Algostruk D/Modul5/No2.py =
                                                                                             pos = i
>>> A = [1,2,3,6,8,9,12,15,18]
                                                                                             while pos > 0 and nilai < A[pos - 1]:
>>> B = [4,5,11,13,17,19,21]
                                                                                                A[pos] = A[pos - 1]
>>> C = []
                                                                                                pos = pos - 1
                                                                                             A[pos] = nilai
>>> C.extend(A)
>>> C.extend(B)
>>> print ('Nilai C', C)
Nilai C [1, 2, 3, 6, 8, 9, 12, 15, 18, 4, 5, 11, 13, 17, 19, 21]
                                                                          Ln: 12 Col: 4
                                                                                                                                 Ln: 10 Col: 0
```

3. Membandingkan antara bubbleSort, selectionSort dan insertionSort lebih cepat yang mana



Menurut saya lebih cepat selection, karena selection menggunakan 2 define sehingga mempercepat perulangan