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Kelas G

Praktikum Modul 5 Algoritma Dan Struktur Data

Soal-soal untuk Mahasiswa

```
def makan(self, s):
    print("Saya baru saja makan", s, "Sambil belajar.")
    self.keadaan = 'kenyang'

class MhsTIF(Mahasiswa):
    def kataKanfy(self):
    print("Python is cool.")

al=Mahasiswa("Anna",190, "Ngawi",250000)
    a2=Mahasiswa("Neer",207, "Surakarta",550000)
    a3=Mahasiswa("Kunan",167, "Ngawi",50000)
    a4=Mahasiswa("Nafiza",104, "Jakarta",150000)
    a5=Mahasiswa("Rafiza",104, "Jakarta",150000)
    a6=Mahasiswa("Rafiza",209, "Sragen",650000)
    a7=Mahasiswa("Fahrur",134, "Ngawi",250000)
    a8=Mahasiswa("Fahrur",134, "Ngawi",480000)
    a9=Mahasiswa("Fahrur",160, "Sragen",950000)
    all=Mahasiswa("Supri",160, "Sragen",950000)
    all=Mahasiswa("Supri",160, "Sragen",950000)
    all=Mahasiswa("Erwan",215, "Salatiga",365000)

def urutkan(p):
    for i in range (len(p)-1, 0, -1):
    for k in range (l):
        if p[k] > p[k+1]:
              c = p[k]
        p[k] = p[k+1]
        p[k+1] = c
```

Nomer 1

```
61
62  #Nomer 1
63  Daftar = [al.NIM,a2.NIM,a3.NIM,a4.NIM,a5.NIM,a6.NIM,a7.NIM,a8.NIM,a9.NIM,a10.NIM,a11.NIM]
64
65  urutkan(Daftar)
66  print(Daftar)
67
```

Nomer 2

```
from time import time as detak
from random import shuffle as kocok
def BubbleSort(a):
       if indexKecil != x :
       while pqr > 0 and n < a[pqr-1]:
        a[pqr] = a[pqr-1]
          pqr = pqr-1
      a[pqr] = n
    k.append(x)
u_bub = k[:]
u_sel = k[:]
aw = detak(); BubbleSort(u bub); ak = detak(); print("Bubble : %g detik" %(ak-aw));
aw = detak(); SelectionSort(u_sel); ak = detak(); print("Selection : %g detik" %(ak-aw));
```

Output

