

Nama : Nur Fadlilah Azzis

NIM : L200180113

Modul 5

No. 1

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Python 3.8.2 Shell
File Edit Shell Debug Options Window Help
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:15) [AMD64] on win32
Type "help", "copyright", "credits" or "license()" for more
>>>
===== RESTART: E:/prak ALgostruk/modul_5.py (3.8.2)
>>> sort(x)
Ahmad
Eka
Galuh
Ika
Deni
Chandra
Janto
Khalid
Fandi
Budi
Hasan
>>>
```

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modul_5.py - E:/prak ALgostruk/modul_5.py (3.8.2)
File Edit Format Run Options Window Help
##### No 1
class MhsTIF(object):
    def __init__(self,nama,NIM,kota,us):
        self.nama=nama
        self.nim=NIM
        self.kota=kota
        self.uang=us
    def __str__(self):
        s=self.nama+',NIM '+str(self.NIM)+'\
        +'. tinggal di '+self.kota'\
        +'. uang saku Rp '+str(self.uang)+'\
        +'. tiap bulan'
        return s
c0 = MhsTIF('Ika', 10, 'Sukoharjo', 240000)
c1 = MhsTIF('Budi', 51, 'Sragen', 230000)
c2 = MhsTIF('Ahmad', 2, 'Surakarta', 250000)
c3 = MhsTIF('Chandra', 18, 'Surakarta', 235000)
c4 = MhsTIF('Eka', 4, 'Boyolali', 240000)
c5 = MhsTIF('Fandi', 31, 'Salatiga', 250000)
c6 = MhsTIF('Deni', 13, 'Klaten', 245000)
c7 = MhsTIF('Galuh', 5, 'Wonogiri', 245000)
c8 = MhsTIF('Janto', 23, 'Klaten', 245000)
c9 = MhsTIF('Hasan', 64, 'Karanganyar', 270000)
c10 = MhsTIF('Khalid', 29, 'Purwodadi', 265000)
x = [c0,c1,c2,c3,c4,c5,c6,c7,c8,c9,c10]
def swap(x,a,b):
    temp=x[a]
    x[a]=x[b]
    x[b]=temp
def sort(x):
    n=len(x)
    for i in range(n-1):
        for j in range(n-i-1):
            if x[j].nim>x[j+1].nim:
                swap(x,j,j+1)
    for i in x:
        print(i.nama)
```

No. 2

```
Python 3.8.2 Shell
File Edit Shell Debug Options Window Help
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:15) [AMD64] on win32
Type "help", "copyright", "credits" or "license()" for more
>>>
===== RESTART: E:/prak ALgostruk/modul_5.py (3.8.2)
>>> A = [1,2,3,4,5,6,7]
>>> B = [8,9,10,11,12,13,14,15]
>>> gabungkan(A,B)
[1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15]
>>>
```

```
modul_5.py - E:/prak ALgostruk/modul_5.py (3.8.2)
File Edit Format Run Options Window Help
##### No 2
def swap(x,a,b):
    temp=x[a]
    x[a]=x[b]
    x[b]=temp
def gabungkan(x,y):
    a=[]
    m=len(y)
    for i in range(m):
        a.append(y[i])
    n=len(x)
    for i in range(n):
        a.append(x[i])
    o=len(a)
    for i in range(o-1):
        for j in range(o-i-1):
            if a[j]>a[j+1]:
                swap(a,j,j+1)
    print(a)
```

[illegible]