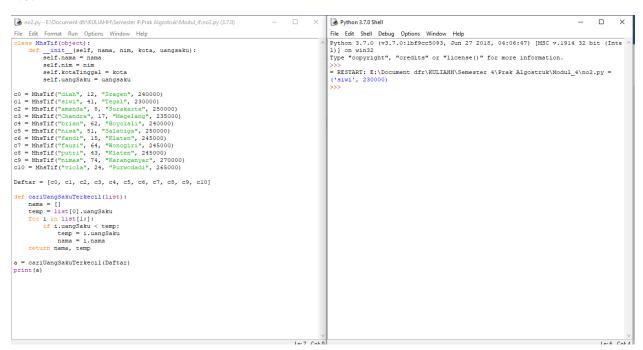
Nama: Diah Fitri Ramadhani

NIM : L200180106

Kelas: D

Tugas Modul 4

No.1



No.3

```
 \begin{tabular}{ll} \blacksquare & no3.py - E: \Document dfr\KULIAHH\Semester 4\Prak Algostruk\Modul\_4\no3.py (3.7.0) \\ \end{tabular}
                                                                                                                                                                                    \times
                                                                                                                                                                                               Python 3.7.0 Shell
                                                                                                                                                                                                                                                                                                                                                             File Edit Format Run Options Window Help
                                                                                                                                                                                               File Edit Shell Debug Options Window Help

Python 3.7.0 (v3.7.0:lbf9cc5093, Jun 27 2018, 04:06:47) [MSC v.1914 32 bit (Inte
 class MhsTif(object):
    def __init__ (self, nama, nim, kota, uangsaku):
        self.nama = nama
        self.nim = nim
                                                                                                                                                                                               1)] on win32
Type "copyright", "credits" or "license()" for more information.
                                                                                                                                                                                               >>> = RESTART: E:\Document dfr\KULIAHH\Semester 4\Prak Algostruk\Modul_4\no3.py = [< main_.MhsTif object at 0x039D2C30>, 'siwi', 'Chandra'] >>> ]
                   self.kotaTinggal = kota
                  self.uangSaku = uangsaku
c0 = MhsTif("diah", 12, "Sragen", 240000)
c1 = MhsTif("siwi", 41, "Tegal", 230000)
c2 = MhsTif("amanda", 8, "Surakarta", 255000)
c3 = MhsTif("Chandra", 17, "Magelang", 255000)
c4 = MhsTif("brian", 62, "Boyolali", 240000)
c5 = MhsTif("fisadi", 15, "Klaetar", 245000)
c7 = MhsTif("fandi", 15, "Klaetar", 245000)
c8 = MhsTif("fandi", 43, "Klaetn", 245000)
c9 = MhsTif("purui", 43, "Klaetn", 245000)
c9 = MhsTif("purui", 43, "Klaetn", 245000)
c10 = MhsTif("viola", 24, "Purwodadi", 265000)
 Daftar = [c0, c1, c2, c3, c4, c5, c6, c7, c8, c9, c10]
 def cariUangSakuTerkecilObject(list):
         cariUangSakuterRecilObject(list):
temp = [list[0]]
for i in list[1:]:
    if i.uangSaku < temp[0].uangSaku:
        temp.append(i.nama)</pre>
         return temp
 a = cariUangSakuTerkecilObject(Daftar)
print(a)
                                                                                                                                                                        Ln: 17 Col: 0
                                                                                                                                                                                                                                                                                                                                                                 Ln: 6 Col: 4
```

```
no4.py - E:\Document dfr\KULIAHH\Semester 4\Prak Algostruk\Modul_4\no4.py (3.7.0)
                                                                                                                                                                                                                                             Python 3.7.0 Shell
                                                                                                                                                                                                                                                                                                                                                                                                                                                      File Edit Shell Debug Options Window Help

Python 3.7.0 (v3.7.0:lbf9cc5093, Jun 27 2018, 04:06:47) [MSC v.1914 32 bit (Inte 1)] on wind 22 ...

Type "copyright", "credits" or "license()" for more information.
  File Edit Format Run Options Window Help
  class MhsTif(object):
           ss MhsTif(object):
def __init_ (self, nama, nim, kota, uangsaku):
    self.nama = nama
    self.nim = nim
    self.kotaTinggal = kota
    self.uangSaku = uangsaku
                                                                                                                                                                                                                                            >>>
= RESTART: E:\Document dfr\KULIAHH\Semester 4\Prak Algostruk\Modul_4\no4.py =
>> cartUangSakuKurang250k(Daftar)
('diah', 12, 'Sragen', 240000)
('sshi', 41, 'Tegal', 230000)
('Chandre', 17, 'Magelang', 235000)
('brian', 62, 'Boyolali', 240000)
('fandir, 15, 'Klaten', 245000)
('fandir, 64, 'Wonogiri', 245000)
('putri', 43, 'Klaten', 245000)
>>>
c0 = MhsTif("diah", 12, "Sragen", 240000)
c1 = MhsTif("siwi", 41, "Tegal", 230000)
c2 = MhsTif("amanda", 8, "Surakarta", 250000)
c3 = MhsTif("Chandra", 17, "Magelang", 235000)
c4 = MhsTif("brian", 62, "Boyolali", 240000)
c5 = MhsTif("fisadi", 15, "Klateri", 245000)
c7 = MhsTif("fandi", 15, "Klateri", 245000)
c8 = MhsTif("fandi", 34, "Klaten", 245000)
c9 = MhsTif("purri", 34, "Klaten", 245000)
c9 = MhsTif("purri", 34, "Klaten", 245000)
c10 = MhsTif("viola", 24, "Furwodadi", 265000)
 Daftar = [c0, c1, c2, c3, c4, c5, c6, c7, c8, c9, c10]
  def cariUangSakuKurang250k(list):
           cariUangSakuKurang250k(list):
temp = []
for i in list:
    if i.uangSaku < 250000:
        temp.append((i.nama, i.nim, i.kotaTinggal, i.uangSaku))
for i in temp:</pre>
                      print(i)
                                                                                                                                                                                                                Ln: 5 Col: 31
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ln: 13 Col: 4
                                                                                                                                                                                                                                                                                                                                                                            III III III -
Page 2 of 2 U words LIS
```

No. 5

```
 \begin{tabular}{ll} \hline \& 6.py-E:\Document dfr\KULIAHH\Semester 4\Prak Algostruk\Latihan\_Modul\_4\Modul\_4\6.py\ (...) \\ \hline \end{tabular} 
                                                                                                                                                         Python 3.7.0 Shell
                                                                                                                                                                                                                                                                                              ×
File Edit Format Run Options Window Help
                                                                                                                                                          File Edit Shell Debug Options Window Help
Python 3.7.0 (v3.7.0:lbf9cc5093, Jun 27 2018, 04:06:47) [MSC v.1914 32 bit (Inte
def binary (kumpulan, target):
   low = 0
   high = len(kumpulan) -1
                                                                                                                                                          1)] on win32
Type "copyright", "credits" or "license()" for more information.
      while low <= high:
    mid = (high + low) // 2
    if kumpulen [mid] == target:
        return "target berada di index " + str(mid)
        break</pre>
                                                                                                                                                          RESTART: E:\Document dfr\KULIAHH\Semester 4\Prak Algostruk\Latihan_Modul_4\Modu
                                                                                                                                                          listnya adalah [24, 41, 75, 12, 61, 145, 512]
nilai target adalah 61
target berada di index 4
             elif target < kumpulan [mid]:
    high = mid - 1</pre>
                                                                                                                                                          listnya adalah [24, 41, 75, 12, 61, 145, 512]
nilai target adalah 145
target berada di index 5
>>>|
              else:
   low = mid + 1
listnya = [24, 41, 75, 12, 61, 145, 512]
target1 = 61
target2 = 145
print("\nlistnya adalah ",listnya)
print("nilai target adalah ", targetl)
print(binary(listnya, targetl))
print("\nlistnya adalah ",listnya)
print("nilai target adalah ", target2)
print(binary(listnya, target2))
                                                                                                                                        In: 4 Col: 0
                                                                                                                                                                                                                                                                                              In: 13 Col: 4
```

No.7