NAURA FIKAMELYALLA L200180207/H

NO 1

```
self.uangsaku = uangsaku
m0 = MhsTIF('Naura', 7, 'Madiun', 300000)
m1 = MhsTIF('Fafa', 1, 'Solo', 320000)
m2 = MhsTIF('Fafa', 23, 'Kartasura', 350000)
m3 = MhsTIF('Falah', 45, 'Solo', 290000)
m4 = MhsTIF('Isla', 56, 'Wonogiri', 380000)
m5 = MhsTIF('Lia', 56, 'Wonogiri', 380000)
m6 = MhsTIF('Mahyu', 8, 'Sragen', 330000)
m8 = MhsTIF('Wahyu', 8, 'Sragen', 330000)
m8 = MhsTIF('Nahya', 60, 'Sleman', 390000)
m10 = MhsTIF('Nahya', 60, 'Sleman', 390000)
m10 = MhsTIF('Nuha', 51, 'Surabaya', 370000)
  urut =[m0.nim, m1.nim, m2.nim, m3.nim, m4.nim, m5.nim, m6.nim, m7.nim, m8.nim, m9.nim, m10.nim]
 def mergeSort(nlist):
    print("Membelah ", nlist)
    if len(nlist)>1:
        mid = len(nlist)//2
    lefthalf = nlist[:mid]
    righthalf = nlist[mid]
                     mergeSort(lefthalf)
mergeSort(righthalf)
i=j=k=0
while i < len(lefthalf) and j < len(righthalf):
    if lefthalf(i) < righthalf(j):
        i=i+1
    i=i+1</pre>
                                i=1+1
else:
  nlist[k]=righthalf[j]
```

NO₂

Modul Praktikum Algoritma & Struktur Data. Versi 4.3

Gambar 6.2: Menggabungkan list satu demi satu.

M

CamScanner

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| Nomer | Nome
```

NO 4

L = [80, 7, 24, 16, 43, 91, 35, 2, 19, 72]

a. Merge sort

80	7	24	16	43	91	35	2	19	72
----	---	----	----	----	----	----	---	----	----

Langkah 1

80	7	24	16	43	91	35	2	19	72

Langkah 2

7 16 24 80 2 35 43 91	19	72
-------------------------------------	----	----

Langkah 3

2	7	16	24	35	43	80	91		19	72	
---	---	----	----	----	----	----	----	--	----	----	--

Langkah 4

2 7 16 19 24 35 43 72 80 91	2	7	16	19	24	35	43	72	80	91
-----------------------------	---	---	----	----	----	----	----	----	----	----

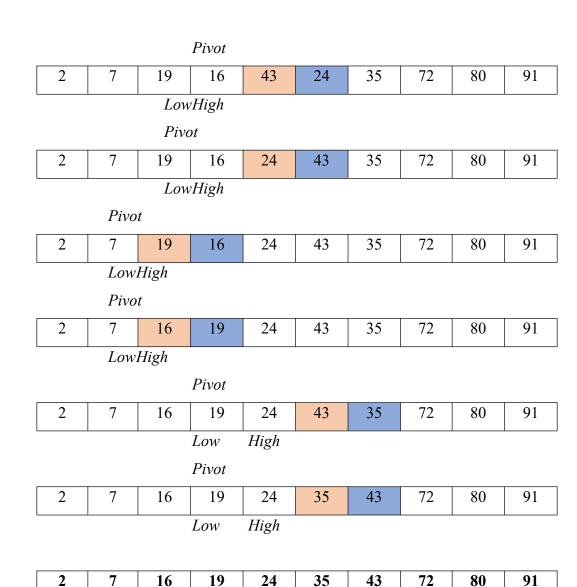
b. Quick sort

80	7	24	16	43	91	35	2	19	72
Low						High			

Pivot

72	7	24	16	43	91	35	2	19	80

Low High



```
| Notice | Fortice | Common |
```

NO 7

NO 8