Nama: Rifqi Alwan P NIM: L200180008

Kelas A

MODUL 6

Latihan

6.1 Menggabungkan Dua List yang sudah urut

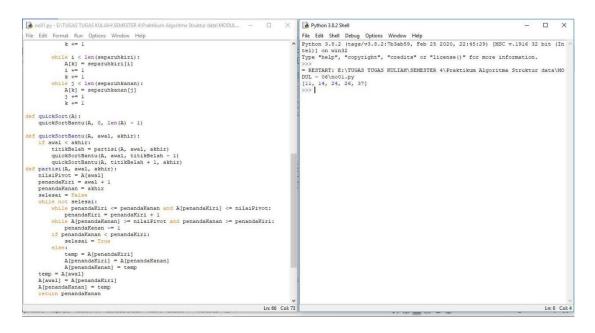
6.2 Merge Sort

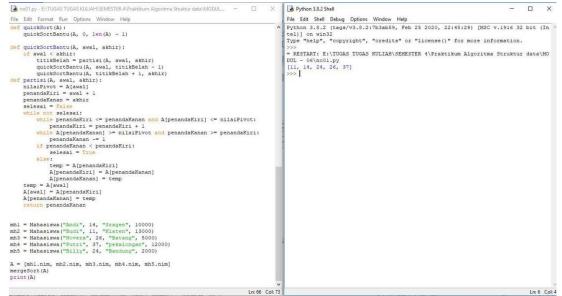
```
| Without | Without | Window |
```

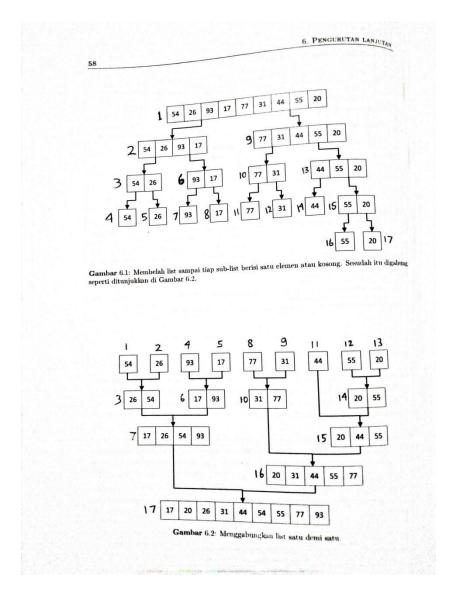
6.3 Quick Sort

Soal-soal

1.







```
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Seed Swape (A, p, q):

temp = A[p]

A[p] = A[q]

seed Caripositicerkecil (A, darisini, sampaisini):

possisterkecil = 1

section secti
```



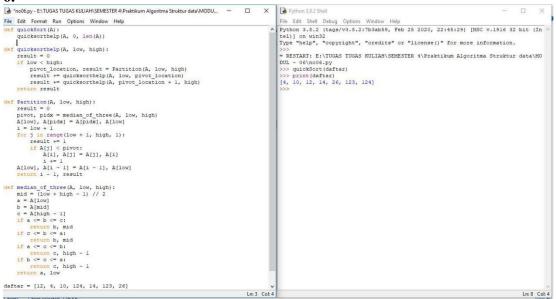
Ln: 10 Col: 4

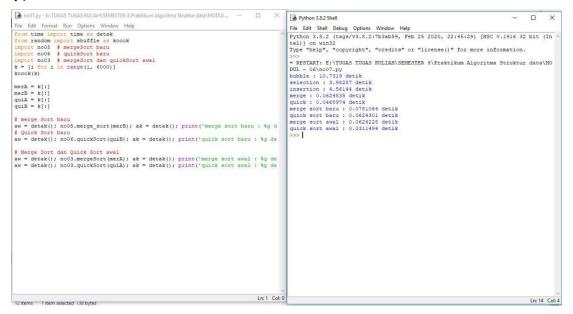
4A. Merge sort

		7	24	16		43	91	35	2	19	72
n											
Prose		7	26	2.1	1	42	0.1	1 [2	2.5		0 70
7	80		26	24		43	91	2	35		9 72
Prose	s 2										
7	16	24	80		2	35	43	91	19	72	
Prose							_	-			
2	7	16	24	35	43	80	91	19	72		
Prose 2	s 4	7	16	19		24	35	43	72	80	91
	ck So		35,2,19,	,72]							
80		7	24	16		43	91	35	2	19	72
		7	24	16		43	91	35	2	19	72
ivot 80 ow	1	7	24	16		43	91	35	2	19	72 High
80		7	24	16		43	91	35	2	19	High
80		7	24	16		43	91	35	2	19	High pivo
80 ow		'									High pivo 80 High
80 ow 72 ow		7	24	16		43	91	35	2	19	High pivo 80 High pivo
80 ow 72		'									High pivo 80 High pivo 80
80 ow 72 ow		7	24	16		43	91	35	2	19	High pivo 80 High pivo High High
80 ow 72 ow		7	24	16		43	91 91 Low	35	2	19	High pivo 80 High pivo 80 High
80 ow 72 ow 72		7	24	16		43	91 91 Low	35	2	19	High pivo 80 High pivo 80 High 91
80 ow 72 ow 72		7	24	16		43	91 Low pivot 80	35	2 2	19	High pivo 80 High pivo 80 High 91
80 ow 72 ow 72		7 7 7	24	16		43	91 Low pivot 80	35	2 2	19	High pivo 80 High pivo 80

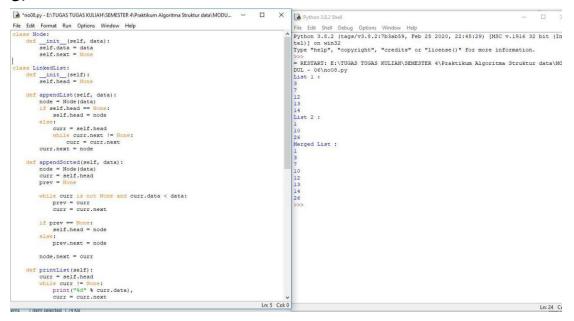
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6.





8.



```
*no08.py - E\TUGAS TUGAS KULIAH\SEMESTER 4\Praktikum Algoritma Struktur data\MODU... —
                                                                                                                                  × Python 3.8.2 Shell
                                                                                                                                                                                                                                                           - 🗆 X
                                                                                                                                           Type "help", "copyright", "credits" or "license()" for more information.
File Edit Format Run Options Window Help
     def mergeSorted(self, list1, list2):
    if list1 is None:
        return list2
    if list2 is None:
    return list1
                                                                                                                                           if listl.data < list2.data:
    temp = list1
temp.next = self.mergeSorted(list1.next, list2)
else:
    temp = list2
    temp.next = self.mergeSorted(list1, list2.next)
return temp</pre>
                                                                                                                                           12
13
14
List 2:
                                                                                                                                          1
10
26
Merged List :
1
3
listl = LinkedList()
listl.appendSorted(13)
listl.appendSorted(12)
listl.appendSorted(3)
listl.appendSorted(4)
listl.appendSorted(7)
                                                                                                                                           7
10
12
13
14
26
>>>
list2 = LinkedList()
list2.appendSorted(26)
list2.appendSorted(10)
list2.appendSorted(1)
 list3 = LinkedList()
list3.head = list3.mergeSorted(list1.head, list2.head)
 print("Merged List :"),
list3.printList()
                                                                                                                          Ln: 5 Col: 0
                                                                                                                                                                                                                                                                   Ln: 24 Col: 4
```