Nama: Dwi Alvian V.A NIM: L200180052

Kelas: B

#### **MODUL 6**

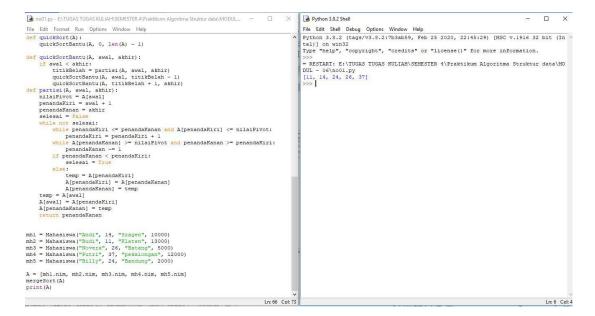
#### Latihan

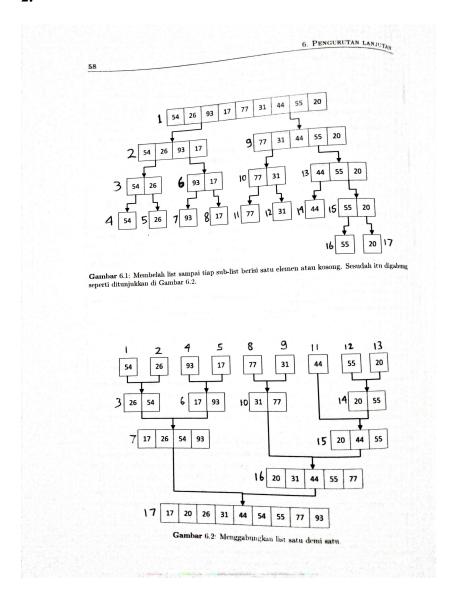
## 6.1

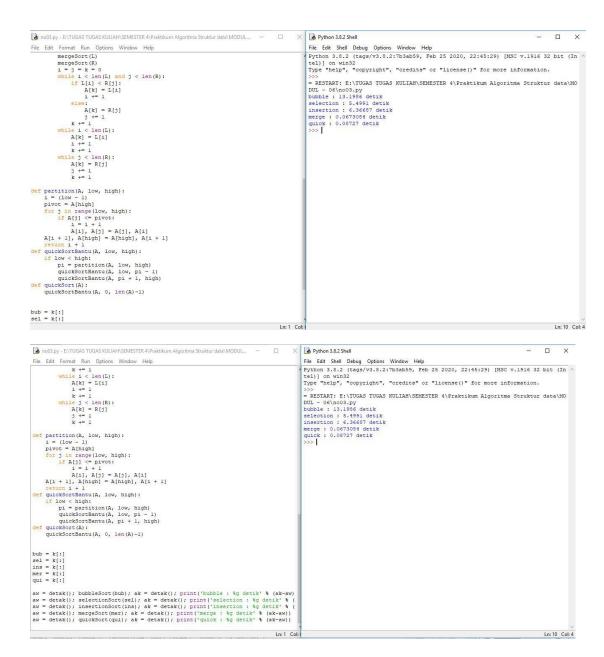
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### Statistics of the control of the
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#### **SOAL**

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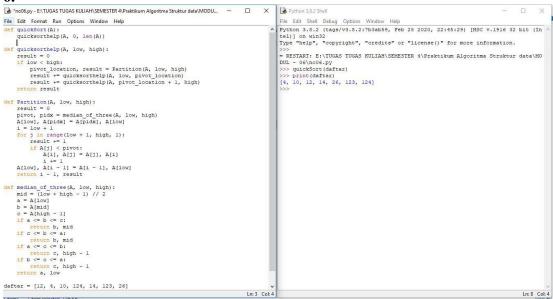


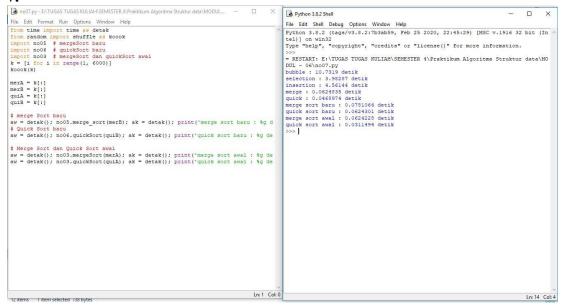


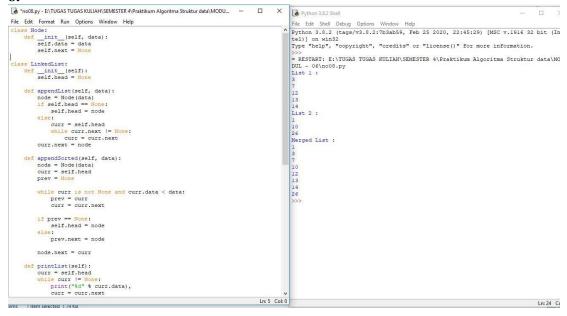


# 4A. Merge sort

		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







```
*no08.py - E:\TUGAS TUGAS KULIAH\SEMESTER 4\Praktikum Algoritma Struktur data\MODU... —
                                                                                                                         × Python 3.8.2 Shell
                                                                                                                                                                                                                                        - 🗆 ×
                                                                                                                                 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 list1.data < list2.data:
    temp = list1
    temp.next = self.mergeSorted(list1.next, list2)
else:</pre>
                                                                                                                                 12
13
14
List 2:
            else:
    temp = list2
    temp.next = self.mergeSorted(list1, list2.next)
return temp
                                                                                                                                1
10
26
Merged List:
1
3
list1 = LinkedList()
list1.appendSorted(13)
list1.appendSorted(12)
list1.appendSorted(3)
list1.appendSorted(14)
list1.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
```