# VIRLIANA AR L200180017 A

#### **MODUL 6**

## **LATIHAN**

#### Latihan 6.1

#### Latihan 6.2

```
Python 3.8.2 Shell
                                                                                                                                   *lat2.py - E:\KULIAH\SEMESTER 4\prak algostruk\lat2.py (3.8.2)*
                                                                                                                                                                                                                                                    File Edit Shell Debug Options Window Help
                                                                                                                                   File Edit Format Run Options Window Help
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 23:03:10) [MSC v.1916 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
                                                                                                                                   from lat1 import gabungkanDuaListUrut
def mergeSort(A):
    if len(A) > 1:
        mid=len(A) //2
        separuhKiri=A[:mid]
        separuhKanan-A[mid:]
>>> RESTART: E:\KULIAH\SEMESTER 4\prak algostruk\lat2.py ======
>>> alist = [54,26,93,17,77,31,44,55,20]
>>> mergeSort(alist)
                                                                                                                                               mergeSort(separuhKiri)
mergeSort(separuhKanan)
>>> print(alist)
[17, 20, 26, 31, 44, 54, 55, 77, 93]
                                                                                                                                                i=0;j=0;k=0
                                                                                                                                                while i < len(separuhKiri) and i < len(separuhKanan):
                                                                                                                                                     if separuhKiri[i] < separuhKanan[j]:
    A[k]=separuhKiri[i]
    i=i+1</pre>
                                                                                                                                                     else:
A[k]=separuhKanan[j]
                                                                                                                                                      j=j+1
k=k+1
                                                                                                                                                while i < len(separuhKiri):
                                                                                                                                                     A[k]=separuhKiri[i]
                                                                                                                                               A(k)=separunkiri[i]
i=i+1
k=k+1
while j < len(separuhKanan):
A[k]=separuhKanan[j]
j=j+1
k=k+1
```

## Latihan 6.3