LAPORAN ACTIVITY PRAKTIKUM

Mata Praktikum : Algoritma dan Pemograman 2B

Kelas : 1IA13

Praktikum ke- : 1

Tanggal: 31 Maret 2023

Materi : Multithread (Python)

NPM : 51422161

Nama : Muhammad Tarmidzi Bariq

Ketua Asisten : Muhammad Wildan Firdausi

Paraf Asisten :

Nama Asisten : Muhammad Wildan Firdausi

Jumlah Lembar : 4 Lembar

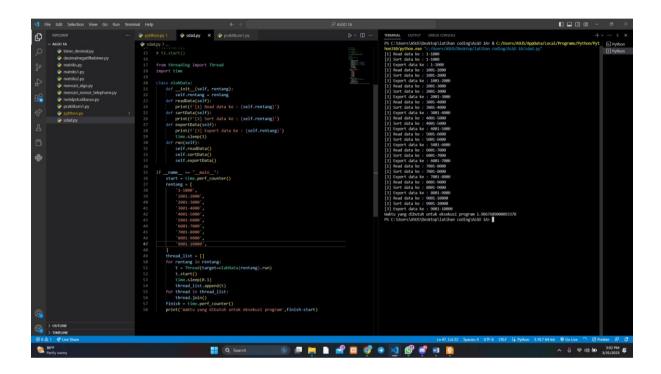
NAMA: Muhammad Tarmidzi Bariq

NPM : 51422161

KELAS : 1IA13

PRAKTIKUM ALGORITMA DAN PEMROGRAMAN 2B

ACT - 1



```
from threading import Thread
     import time
20 ∨ class olahData:
         def __init__(self, rentang):
             self.rentang = rentang
         def readData(self):
             print(f'[1] Read data ke : {self.rentang}')
         def sortData(self):
             print(f'[2] Sort data ke : {self.rentang}')
         def exportData(self):
             print(f'[3] Export data ke : {self.rentang}')
             time.sleep(1)
         def run(self):
             self.readData()
             self.sortData()
             self.exportData()
35 v if __name__ == "__main__":
         start = time.perf_counter()
         rentang = [
              '1-1000',
              '1001-2000',
              '2001-3000',
              '3001-4000',
              '4001-5000',
             '5001-6000',
              '6001-7000',
              '7001-8000',
              '8001-9000',
47
              '9001-10000',
         thread list = []
50 V
         for rentang in rentang:
             t = Thread(target=olahData(rentang).run)
             t.start()
             time.sleep(0.1)
             thread_list.append(t)
         for thread in thread list:
             thread.join()
         finish = time.perf_counter()
         print('Waktu yang dibutuh untuk eksekusi program',finish-start)
```

```
PS C:\Users\ASUS\Desktop\latihan coding\ALGO 1A> & C:/Users/ASUS/AppData/Local/Programs/Python/Pyt
hon310/python.exe "c:/Users/ASUS/Desktop/latihan coding/ALGO 1A/sdad.py"
[1] Read data ke : 1-1000
[2] Sort data ke : 1-1000
[3] Export data ke : 1-1000
[1] Read data ke : 1001-2000
[2] Sort data ke : 1001-2000
[3] Export data ke : 1001-2000
[1] Read data ke : 2001-3000
[2] Sort data ke : 2001-3000
[3] Export data ke : 2001-3000
[1] Read data ke : 3001-4000
[2] Sort data ke : 3001-4000
[3] Export data ke : 3001-4000
[1] Read data ke : 4001-5000
[2] Sort data ke : 4001-5000
[3] Export data ke : 4001-5000
[1] Read data ke : 5001-6000
[2] Sort data ke : 5001-6000
[3] Export data ke : 5001-6000
[1] Read data ke : 6001-7000
[2] Sort data ke : 6001-7000
[3] Export data ke : 6001-7000
[1] Read data ke : 7001-8000
[2] Sort data ke : 7001-8000
[3] Export data ke : 7001-8000
[1] Read data ke : 8001-9000
[2] Sort data ke : 8001-9000
[3] Export data ke : 8001-9000
[1] Read data ke : 9001-10000
[2] Sort data ke : 9001-10000
[3] Export data ke : 9001-10000
Waktu yang dibutuh untuk eksekusi program 1.9867689000093378
PS C:\Users\ASUS\Desktop\latihan coding\ALGO 1A>
```