

# **TUGAS RESPONSI**

## **SISTEM OPERASI PRAKTIK V**



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## Code program 1

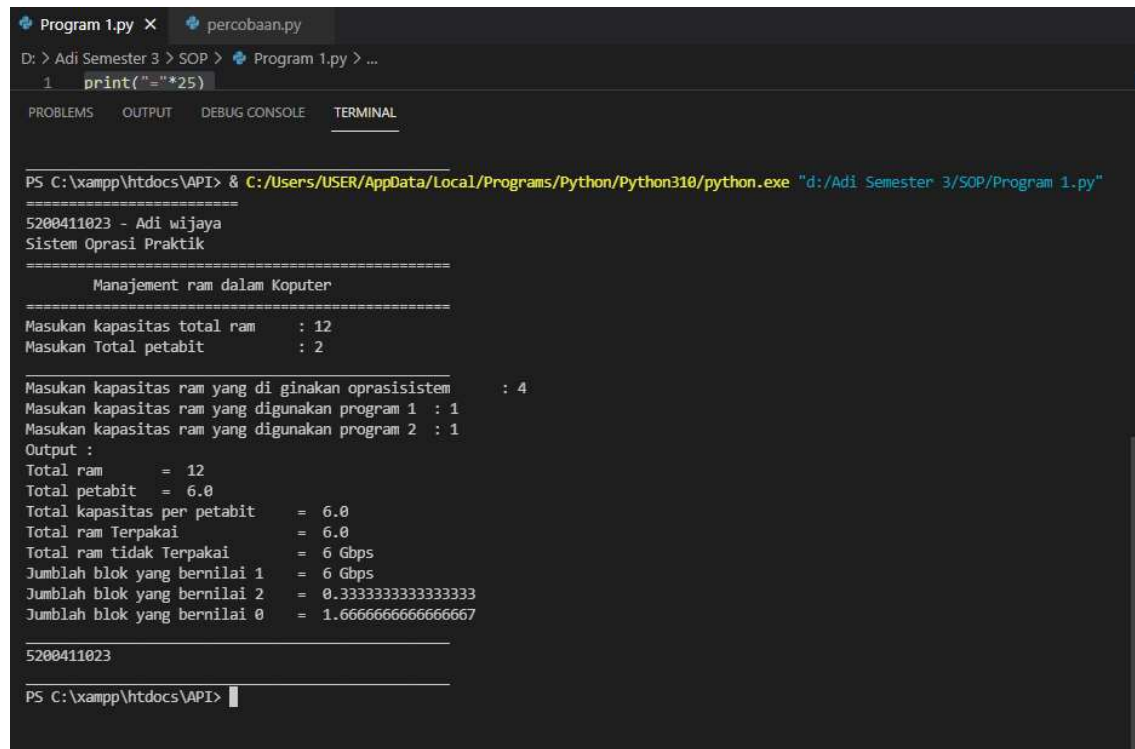
```
print("="*25)
print("5200411023 - Adi wijaya")
print("Sistem Oprasi Praktik")
print("="*50)
print("\tManajemen ram dalam Koputer")
print("="*50)

ram = int(input("Masukan kapasitas total ram\t: "))
petabit = int(input("Masukan Total petabit\t\t: "))
blok = 2
print("_"*50)
oprasisistem = int(input("Masukan kapasitas ram yang di gunakan
oprasisistem\t: "))
kapasitas1 = int(input("Masukan kapasitas ram yang digunakan program 1\t: "))
kapasitas2 = int(input("Masukan kapasitas ram yang digunakan program 2\t: "))

petabit = (ram / petabit)
proter = (oprasisistem + kapasitas1 +kapasitas2)
prot dk = (ram - oprasisistem - kapasitas1 - kapasitas2)
jumlahblok =(kapasitas1 + kapasitas2) / petabit

print("Output :")
print("Total ram\t= ",ram)
print("Total petabit\t= ",petabit)
print("Total kapasitas per petabit\t= ",petabit)
print("Total ram Terpakai\t\t= ", petabit)
print("Total ram tidak Terpakai\t= ",proter, "Gbps")
print("Jumlah blok yang bernilai 1\t= ", prot dk, "Gbps")
print("Jumlah blok yang bernilai 2\t= ",jumlahblok)
print("Jumlah blok yang bernilai 0\t= ", blok - jumlahblok)
print("_"*50)
print(5200411023)
print("_"*50)
```

## Hasil Program 1



The screenshot shows a Windows command prompt window with a Python script being executed. The script is named 'Program 1.py' and is located in the directory 'D:\Adi Semester 3 > SOP'. The script's output is displayed in the terminal, showing a series of calculations and data entry prompts. The output is formatted with a title 'Manajemen ram dalam Koputer' and a separator line. The calculations involve inputting total RAM capacity (12), total petabit (2), and the RAM capacity used by three programs (4, 1, and 1). The output then displays the total RAM, total petabit, total capacity per petabit, total RAM used, total RAM not used, and the number of blocks for each value.

```
Program 1.py X  percobaan.py
D: > Adi Semester 3 > SOP > Program 1.py > ...
1  print("="*25)

PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL

PS C:\xampp\htdocs\API> & C:/Users/USER/AppData/Local/Programs/Python/Python310/python.exe "d:/Adi Semester 3/SOP/Program 1.py"
=====
5200411023 - Adi wijaya
Sistem Oprasi Praktik
=====
          Manajemen ram dalam Koputer
=====
Masukan kapasitas total ram      : 12
Masukan Total petabit           : 2

Masukan kapasitas ram yang di ginakan oprasisistem      : 4
Masukan kapasitas ram yang digunakan program 1 : 1
Masukan kapasitas ram yang digunakan program 2 : 1
Output :
Total ram      = 12
Total petabit  = 6.0
Total kapasitas per petabit = 6.0
Total ram Terpakai = 6.0
Total ram tidak Terpakai = 6 Gbps
Jumlah blok yang bernilai 1 = 6 Gbps
Jumlah blok yang bernilai 2 = 0.3333333333333333
Jumlah blok yang bernilai 0 = 1.6666666666666667

=====
5200411023
PS C:\xampp\htdocs\API>
```

## Code Program 2

```
print("="*25)
print("5200411023 - Adi wijaya")
print("Sistem Oprasi Praktik")
print("="*30)
print("\tMasukan Inputan")
print("="*30)

program1 = str(input("nama program 1 : "))
time1 = int(input("lama proses Pengerjaan : "))
program2 = str(input("nama program 2 : "))
time2 = int(input("lama proses Pengerjaan : "))
program3 = str(input("nama program 3 : "))
time3 = int(input("lama proses Pengerjaan : "))
q = int(input("Jatah Waktu(Quantum Time) : "))

urutan = [time1, time2, time3]

print("_"*50)
print("Ouputan")
```

```

print("Nama Program 1 :",program1,"dan Lama proses Pengerjaan :",time1)
print("Nama Program 2 :",program2,"dan Lama proses Pengerjaan :",time2)
print("Nama Program 3 :",program3,"dan Lama proses Pengerjaan :",time3)
print("Lama proses Pengerjaan 1-3 =",urutan)
print("Jatah Waktu(Quantum Time) :",q)
print("Urutan Round Robin")
if time1>time2 and time2>time3:
    if time2>time3:
        print(time1, time2, time3)
    else:
        print(time1, time3, time2)
elif time2>time1 and time2>time3:
    if time1>time3:
        print(time2, time1, time3)
    else:
        print(time2, time3, time1)
else:
    if time1>time2:
        print(time3, time1, time2)
    else:
        print(time3, time2, time1)

```

## Hasil Program 2

```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL Python +
PS C:\xampp\htdocs\API> & C:/Users/USER/AppData/Local/Programs/Python/Python310/python.exe "d:/Adi Semester 3/SOP/Program 2.py"
=====
5200411023 - Adi wijaya
Sistem Oprasi Praktik
=====
Masukan Inputan
=====
nama program 1 : 50
lama proses Pengerjaan : 10
nama program 2 : 60
lama proses Pengerjaan : 90
nama program 3 : 70
lama proses Pengerjaan : 20
Jatah Waktu(Quantum Time) : 10

=====
Outputan
Nama Program 1 : 50 dan Lama proses Pengerjaan : 10
Nama Program 2 : 60 dan Lama proses Pengerjaan : 90
Nama Program 3 : 70 dan Lama proses Pengerjaan : 20
Lama proses Pengerjaan 1-3 = [10, 90, 20]
Jatah Waktu(Quantum Time) : 10
Urutan Round Robin
90 20 10
PS C:\xampp\htdocs\API>

```