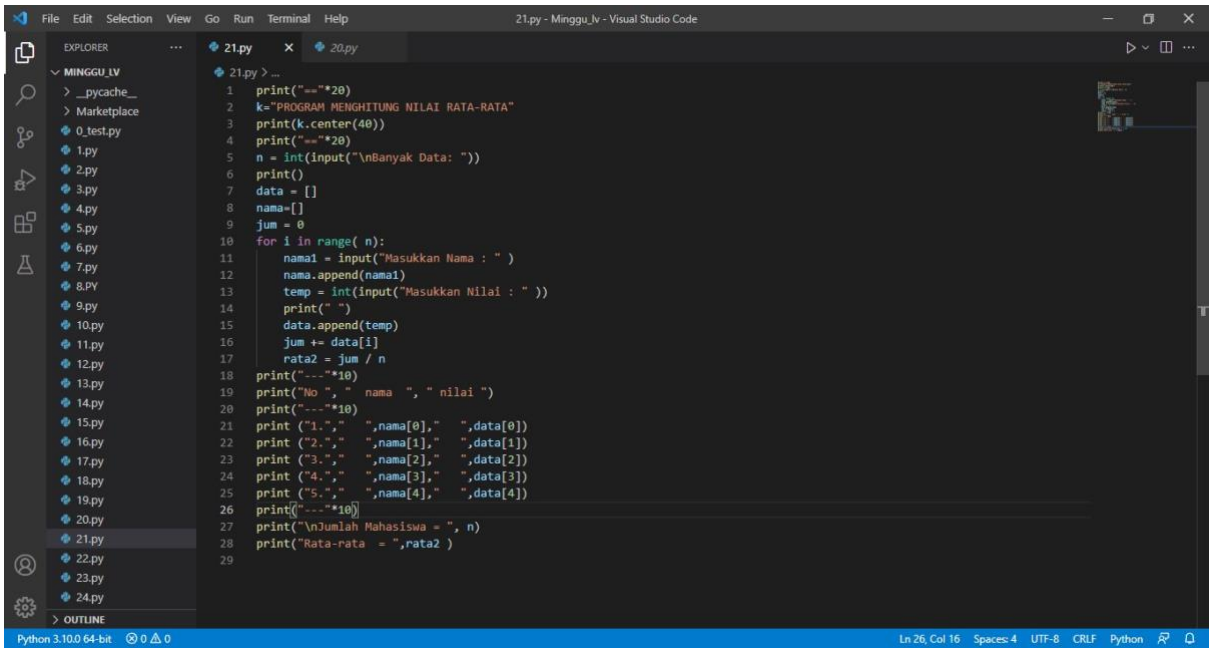
Nama : Yuni Sukana

Nim : 20.01.013.031

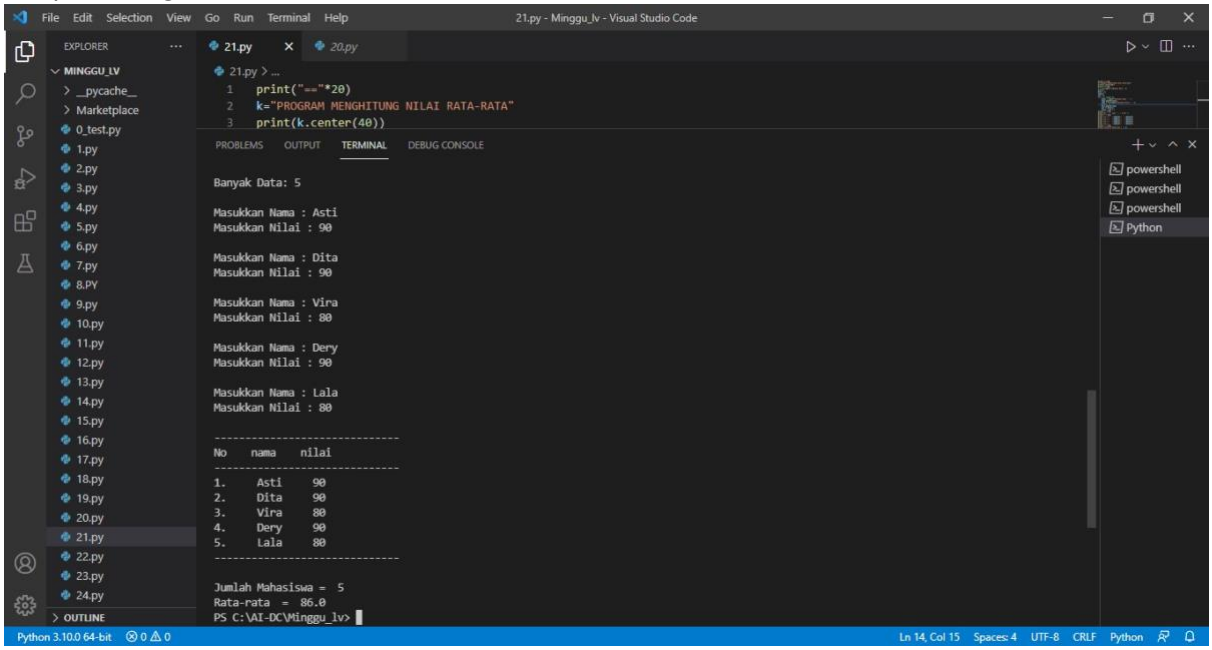
Kelas : Kecerdasan buatan A

1. Menghitung Nilai Rata-Rata Mahasiswa



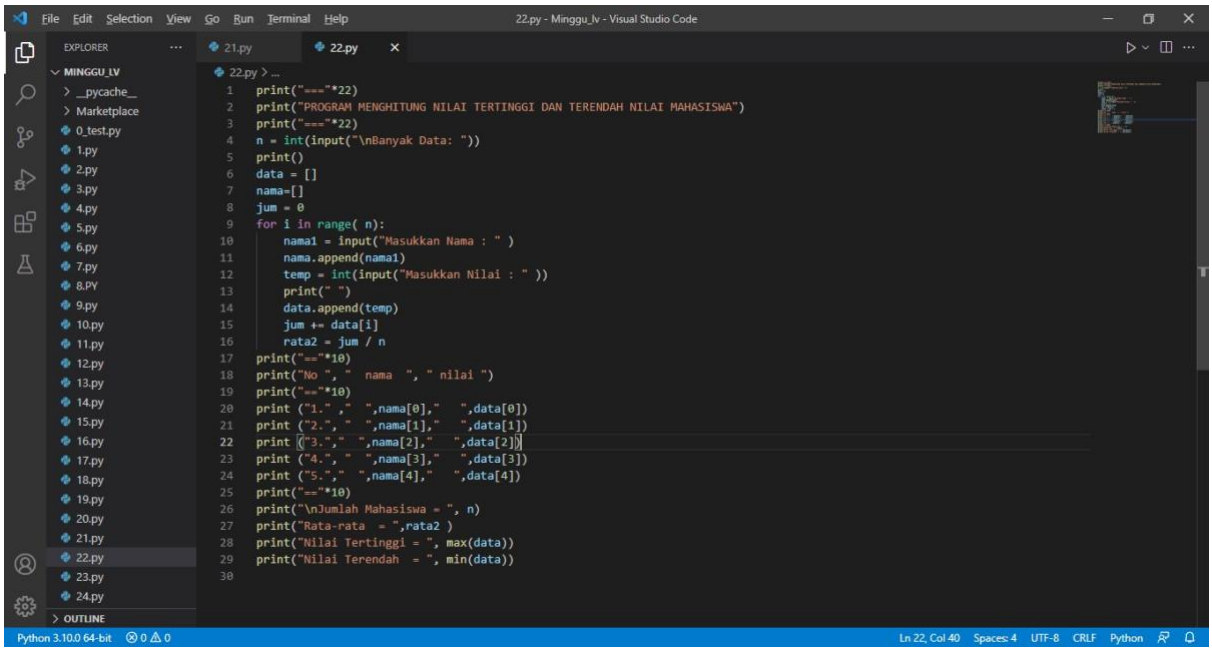
```
print("=="*20)
k="PROGRAM MENGHITUNG NILAI RATA-RATA"
print(k.center(40))
print("=="*20)
n = int(input("\nBanyak Data: "))
print()
data = []
nama=[]
jum = 0
for i in range( n):
    nama1 = input("Masukkan Nama : " )
    nama.append(nama1)
    temp = int(input("Masukkan Nilai : " ))
    print(" ")
    data.append(temp)
    jum += data[i]
    rata2 = jum / n
print("---"*10)
print("No ", "  nama  ", " nilai ")
print("---"*10)
print ("1.","   ",nama[0],"   ",data[0])
print ("2.","   ",nama[1],"   ",data[1])
print ("3.","   ",nama[2],"   ",data[2])
print ("4.","   ",nama[3],"   ",data[3])
print ("5.","   ",nama[4],"   ",data[4])
print("---"*10)
print("\nJumlah Mahasiswa = ", n)
print("Rata-rata  = ",rata2 )
```

Output Program:



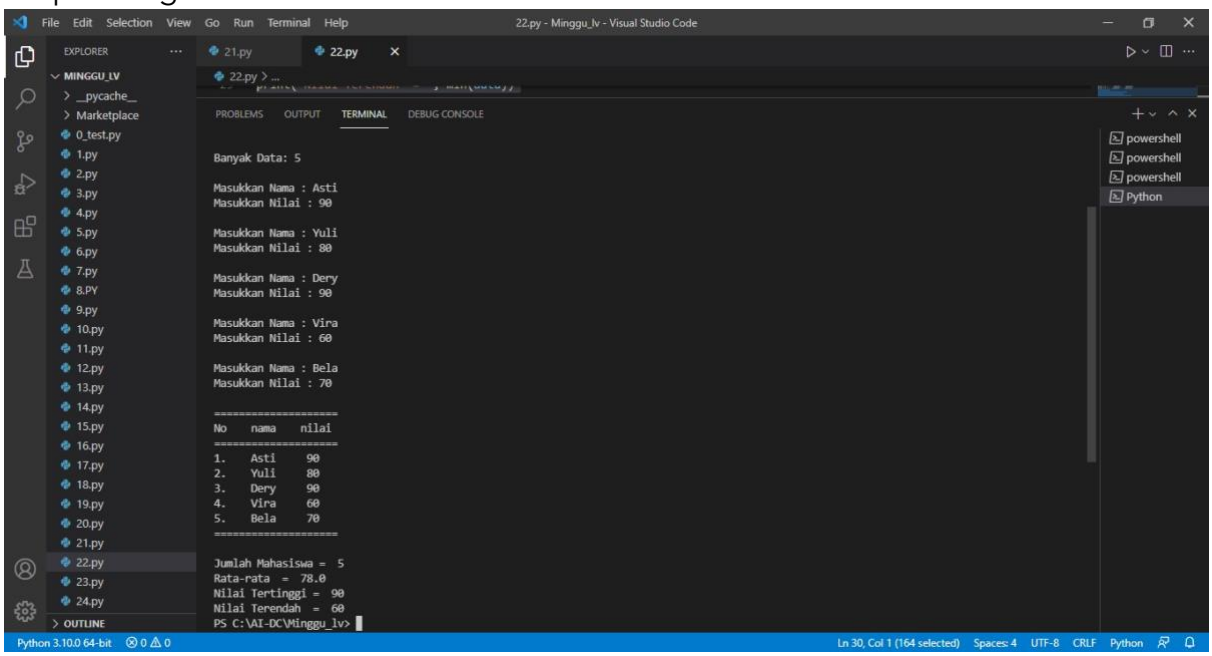
```
==========
PROGRAM MENGHITUNG NILAI RATA-RATA
==========

Banyak Data: 5

Masukkan Nama : Asti
Masukkan Nilai : 90

Masukkan Nama : Dita
Masukkan Nilai : 90

Masukkan Nama : Vira
Masukkan Nilai : 80

Masukkan Nama : Dery
Masukkan Nilai : 90

Masukkan Nama : Lala
Masukkan Nilai : 80

------------------------------
No    nama    nilai
------------------------------
1.    Asti    90
2.    Dita    90
3.    Vira    80
4.    Dery    90
5.    Lala    80
------------------------------

Jumlah Mahasiswa =  5
Rata-rata  =  86.0
PS C:\AI-DC\Minggu_lv>
```

2. Program Menentukan Nilai Tertinggi Dan Terendah Dari Nilai Mahasiswa



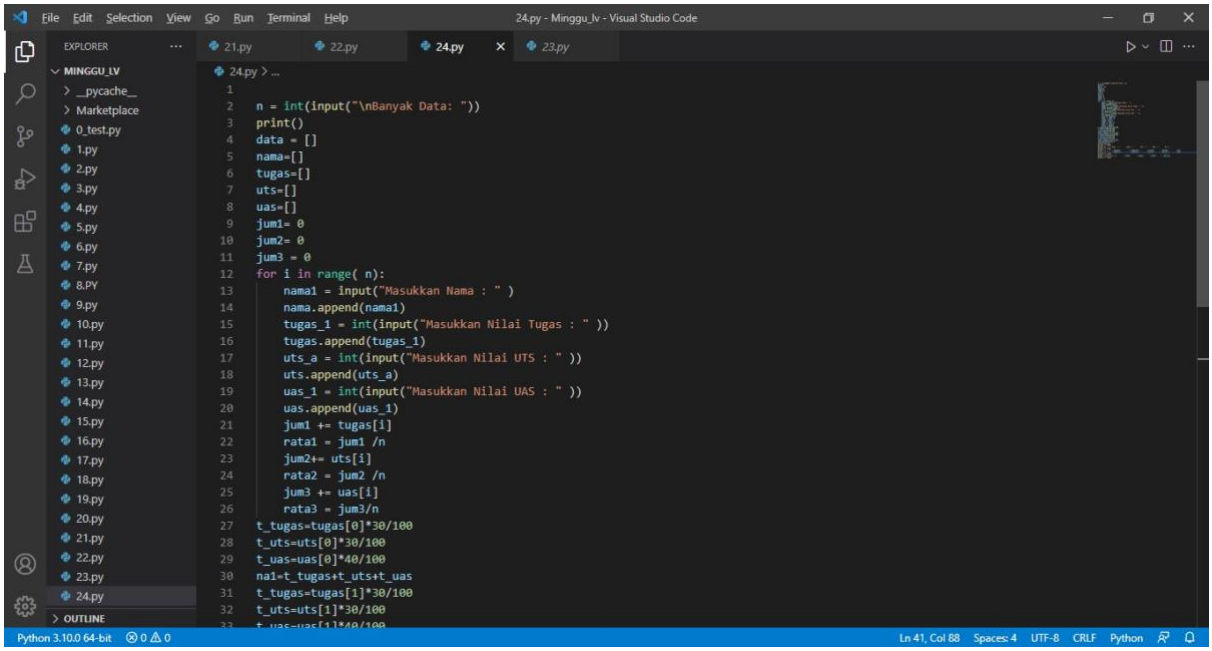
```
print("==="*22)
print("PROGRAM MENGHITUNG NILAI TERTINGGI DAN TERENDAH NILAI MAHASISWA")
print("==="*22)
n = int(input("\nBanyak Data: "))
print()
data = []
nama=[]
jum = 0
for i in range( n):
    nama1 = input("Masukkan Nama : " )
    nama.append(nama1)
    temp = int(input("Masukkan Nilai : " ))
    print(" ")
    data.append(temp)
    jum += data[i]
    rata2 = jum / n
print("=="*10)
print("No ", "  nama  ", " nilai ")
print("=="*10)
print ("1." ,"  ",nama[0],"   ",data[0])
print ("2.", "  ",nama[1],"   ",data[1])
print ("3.","  ",nama[2],"   ",data[2])
print ("4.", "  ",nama[3],"   ",data[3])
print ("5.","  ",nama[4],"   ",data[4])
print("=="*10)
print("\nJumlah Mahasiswa = ", n)
print("Rata-rata  = ",rata2 )
print("Nilai Tertinggi = ", max(data))
print("Nilai Terendah  = ", min(data))
```

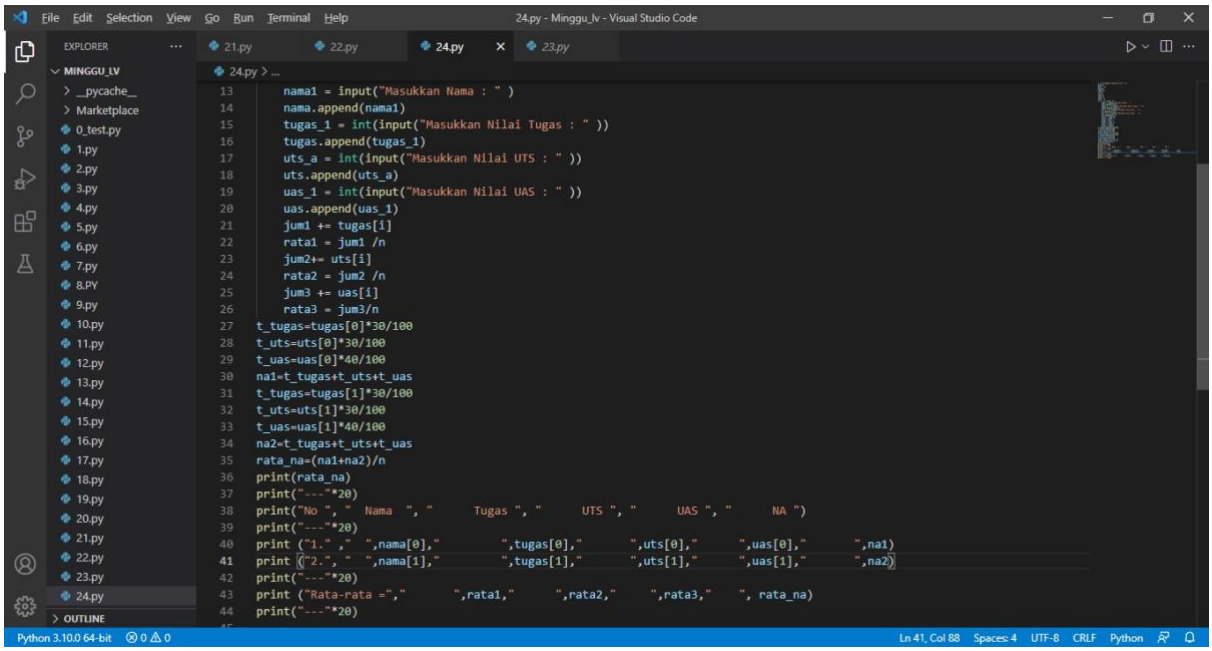
Output Program :



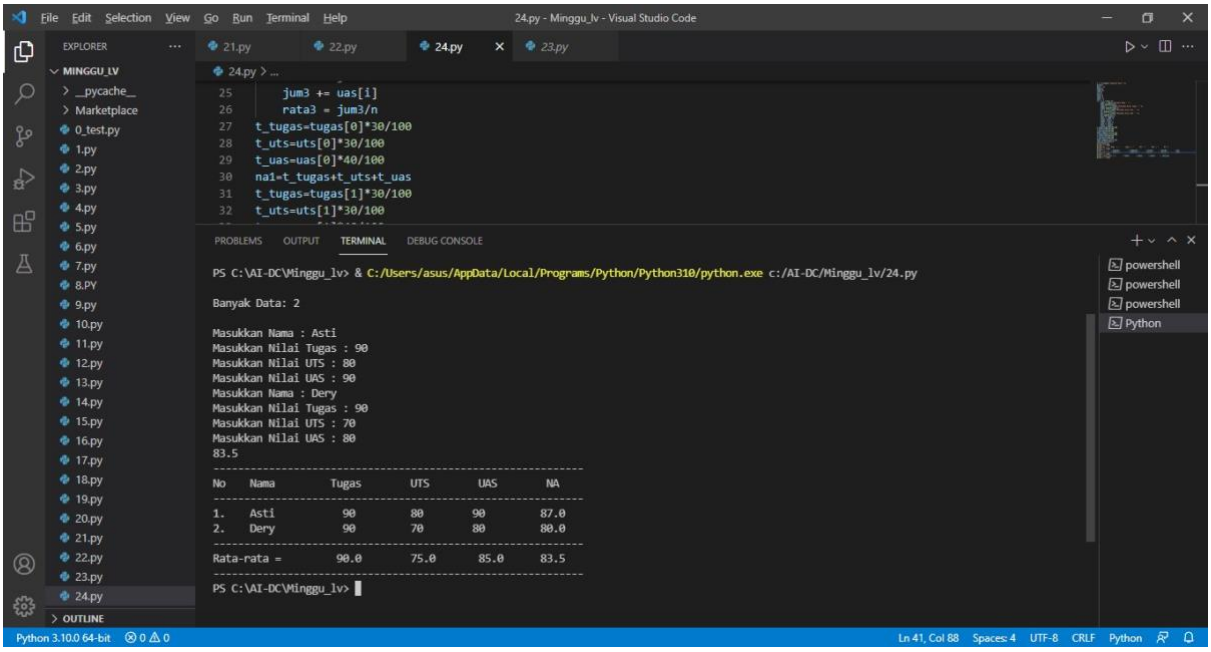
```
Banyak Data: 5

Masukkan Nama : Asti
Masukkan Nilai : 90

Masukkan Nama : Yuli
Masukkan Nilai : 80

Masukkan Nama : Dery
Masukkan Nilai : 90

Masukkan Nama : Vira
Masukkan Nilai : 60

Masukkan Nama : Bela
Masukkan Nilai : 70

==========
No   nama   nilai
==========
1.   Asti   90
2.   Yuli   80
3.   Dery   90
4.   Vira   60
5.   Bela   70
==========

Jumlah Mahasiswa =  5
Rata-rata  =  78.0
Nilai Tertinggi =  90
Nilai Terendah  =  60
PS C:\AI-DC\Minggu_lv>
```

3. Program Pengolahan Nilai Mahasiswa

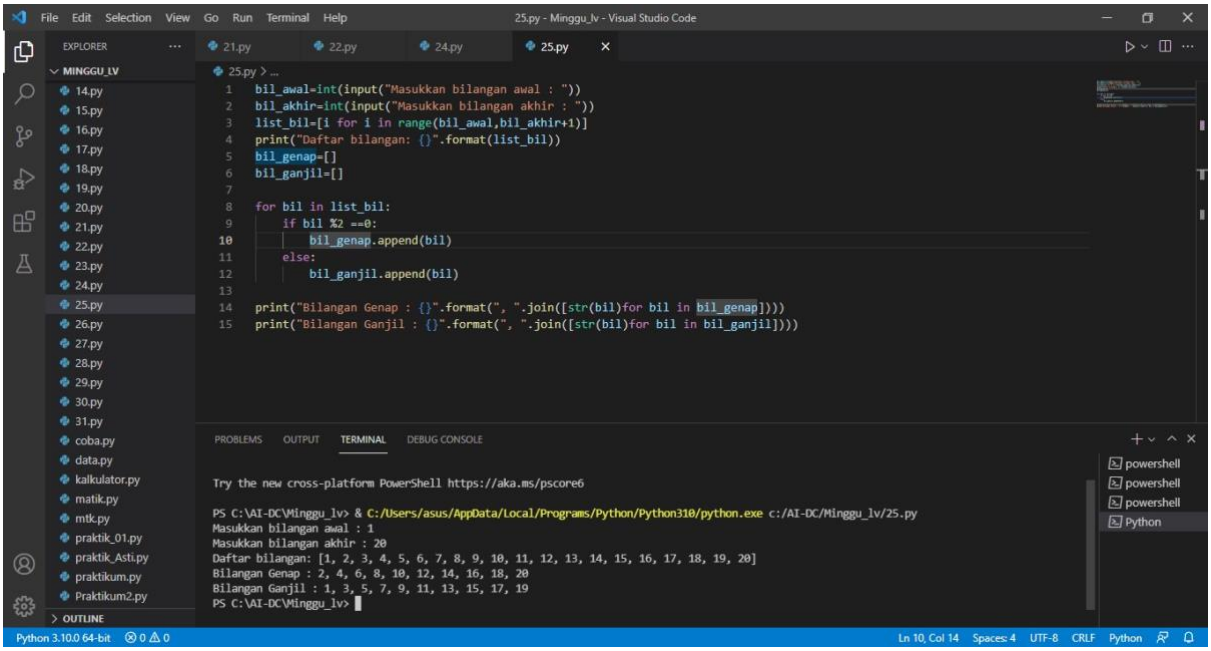




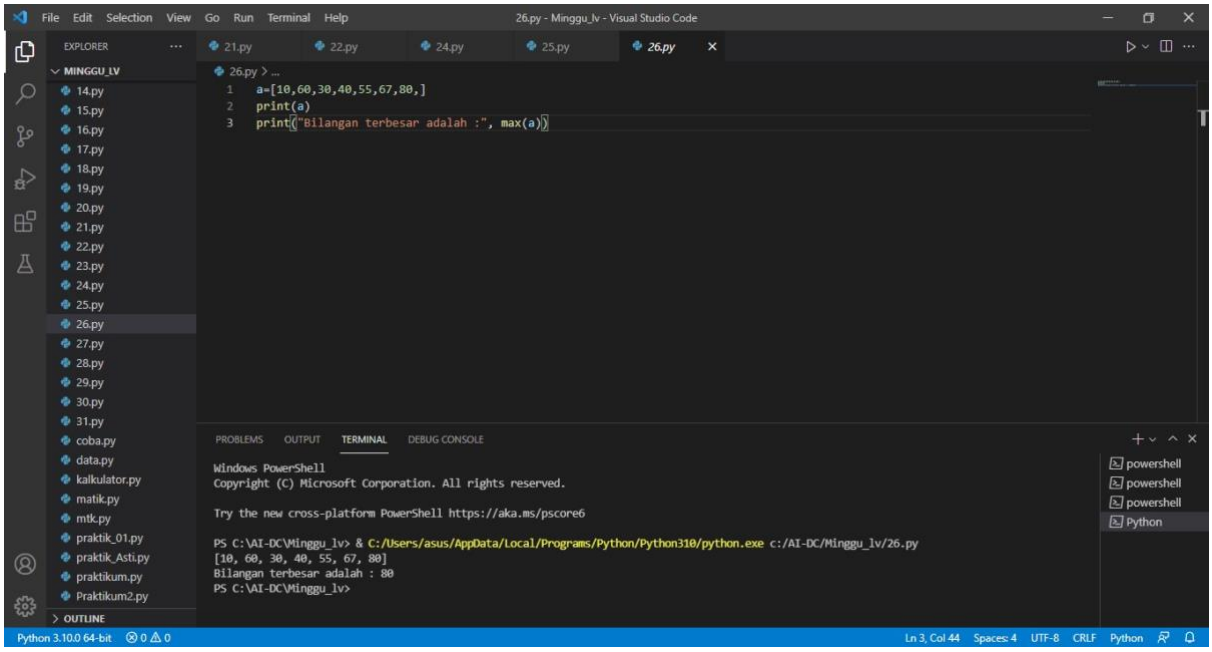
Output Program :



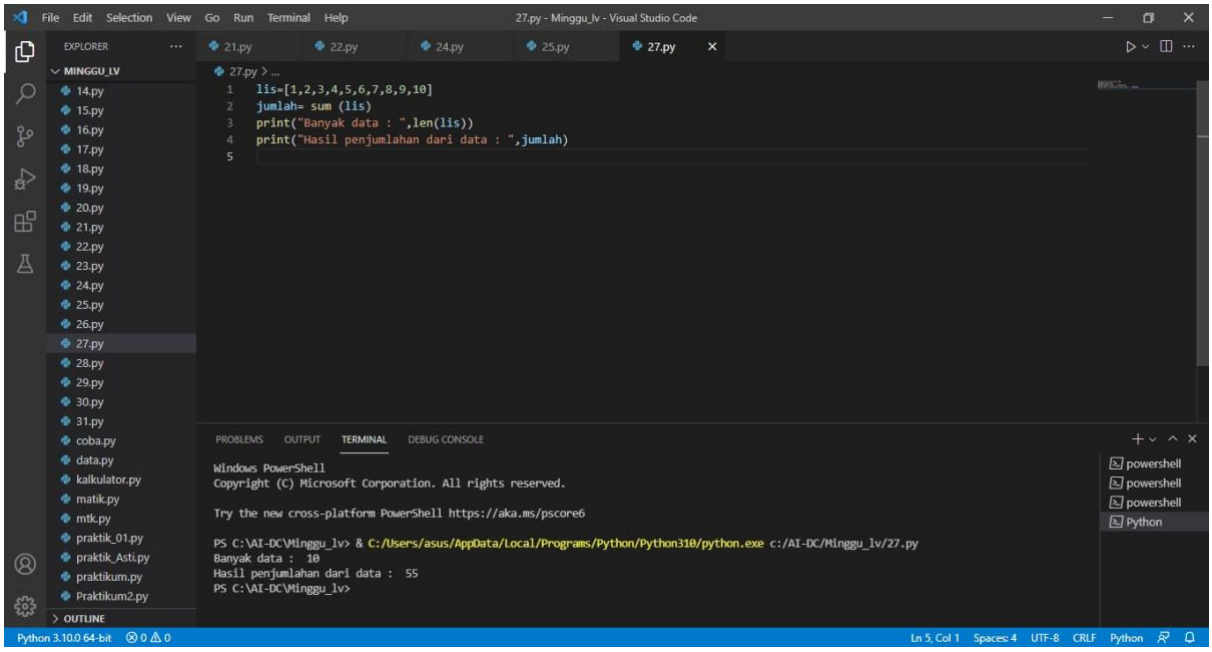
4. Program Menampilkan Bilangan Genap Dan Ganjil



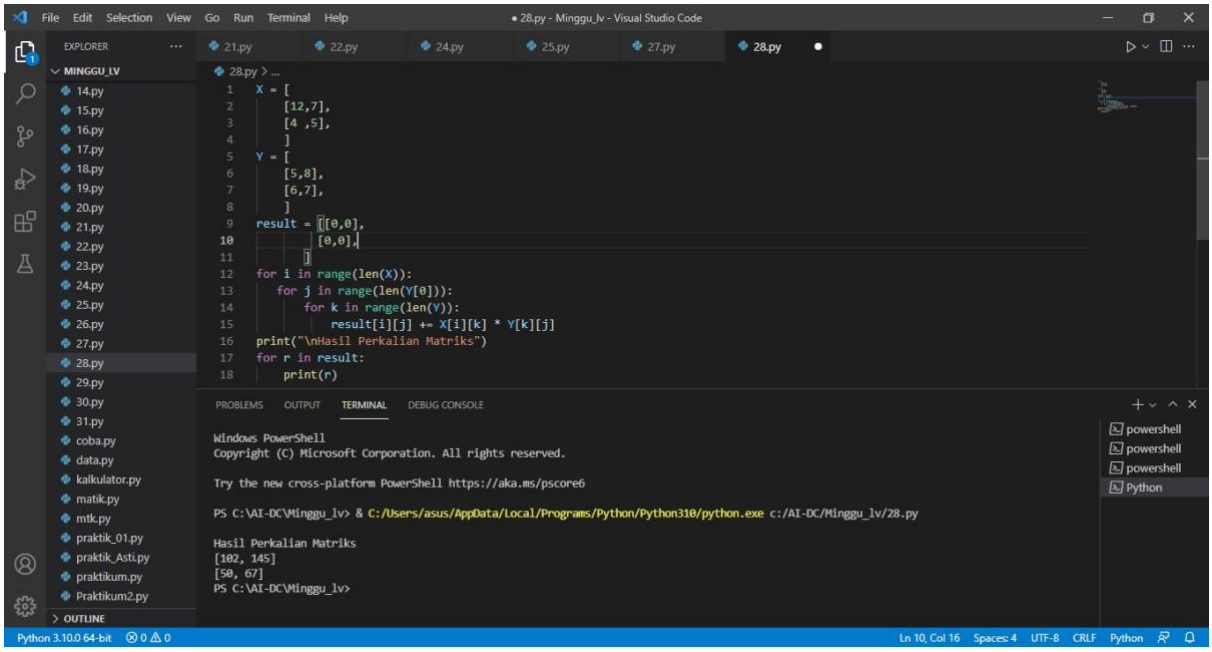
5. Program Mencari Bilangan Terbesar Dari Sekelompok Data



6. Program Menghitung Banyak Bilangan X Yang Tersimpan Di List



7. Program Menghitung Perkalian Matriks 2x2



8. Program Menggabungkan Isi Dictionary