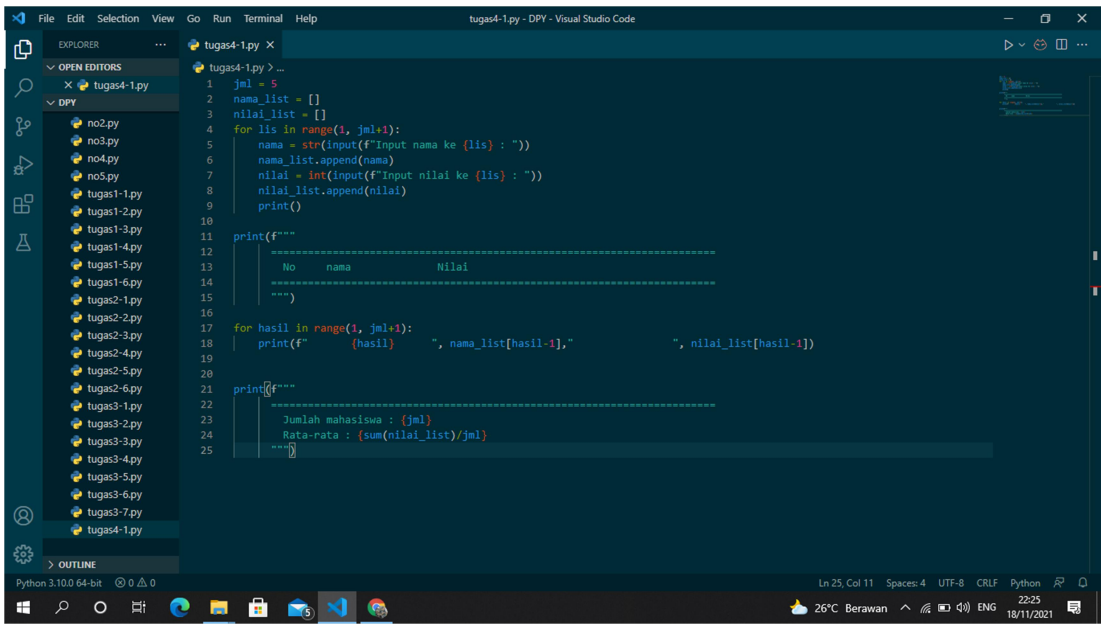
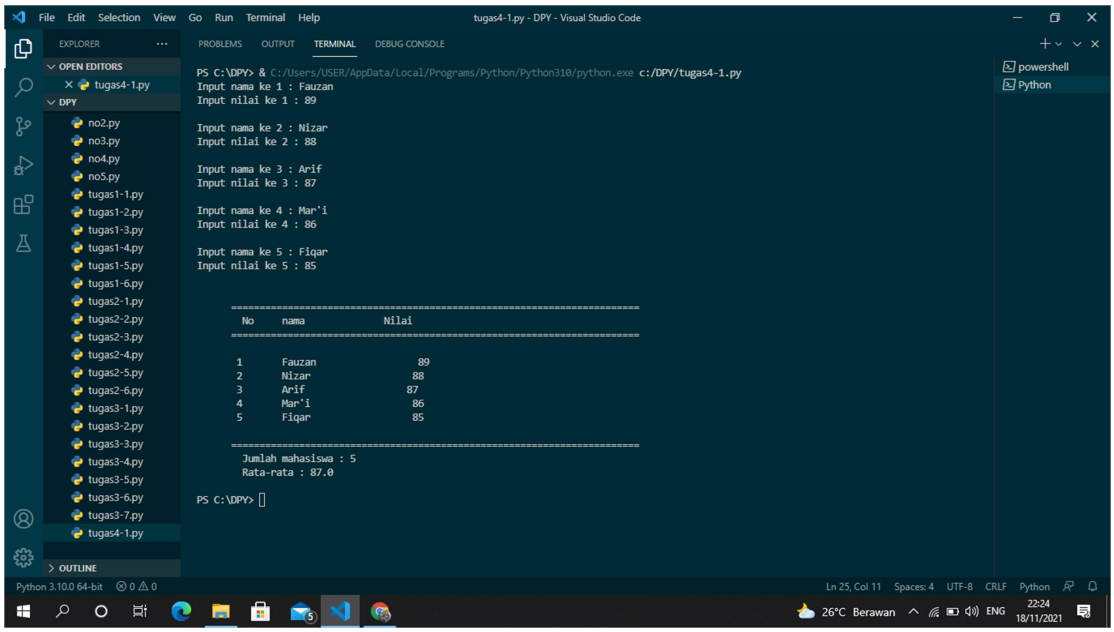
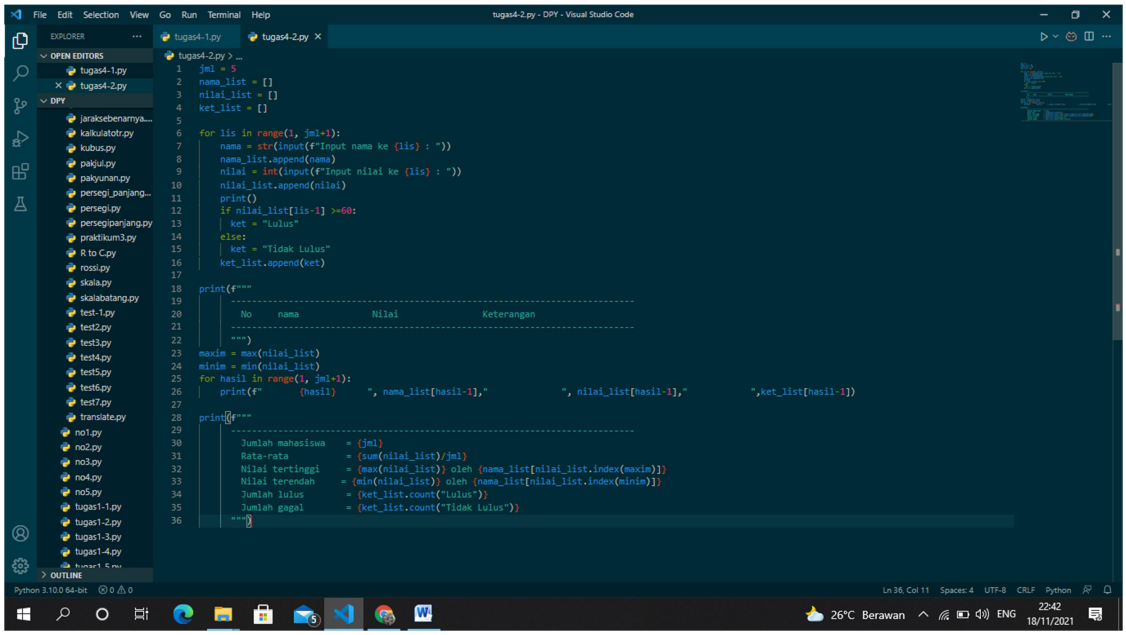
UAS – 18 November 2021

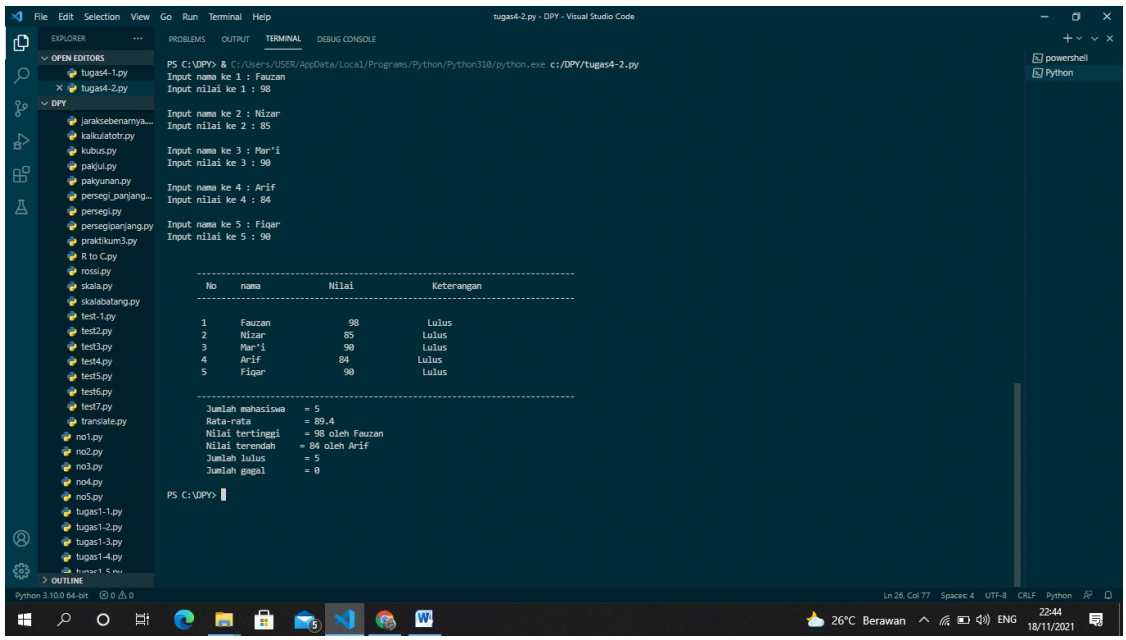
1. Memasukkan dan Menampilkan Nama dan Nilai Mahasiswa



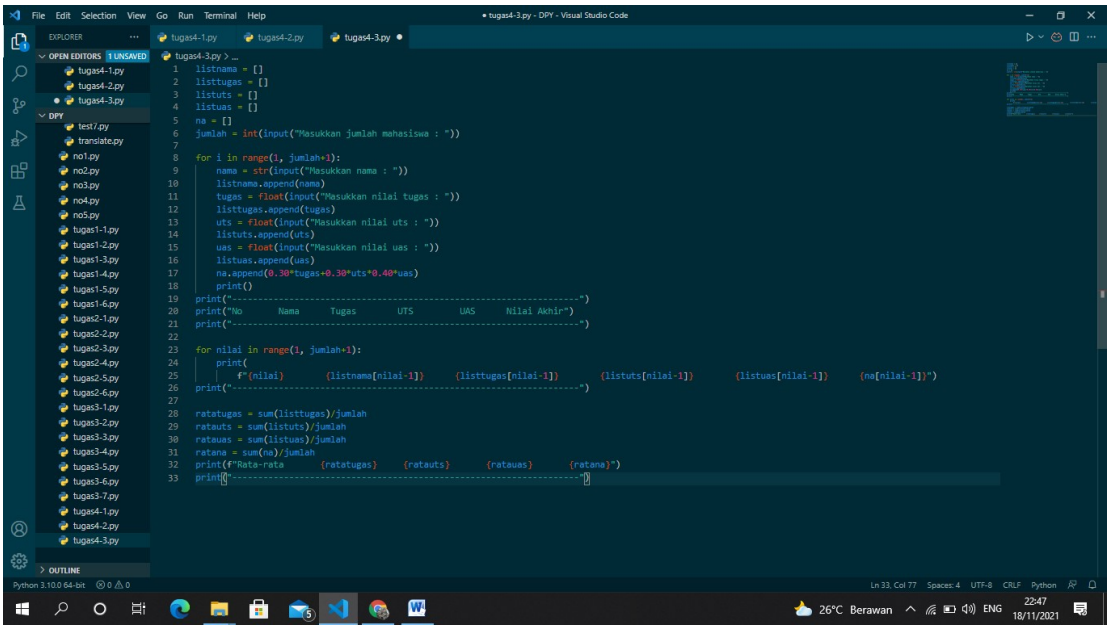


2. Memasukkan dan Menampilkan Nama dan Nilai Mahasiswa dengan Menentukan nilai tertinggi dan terendah.

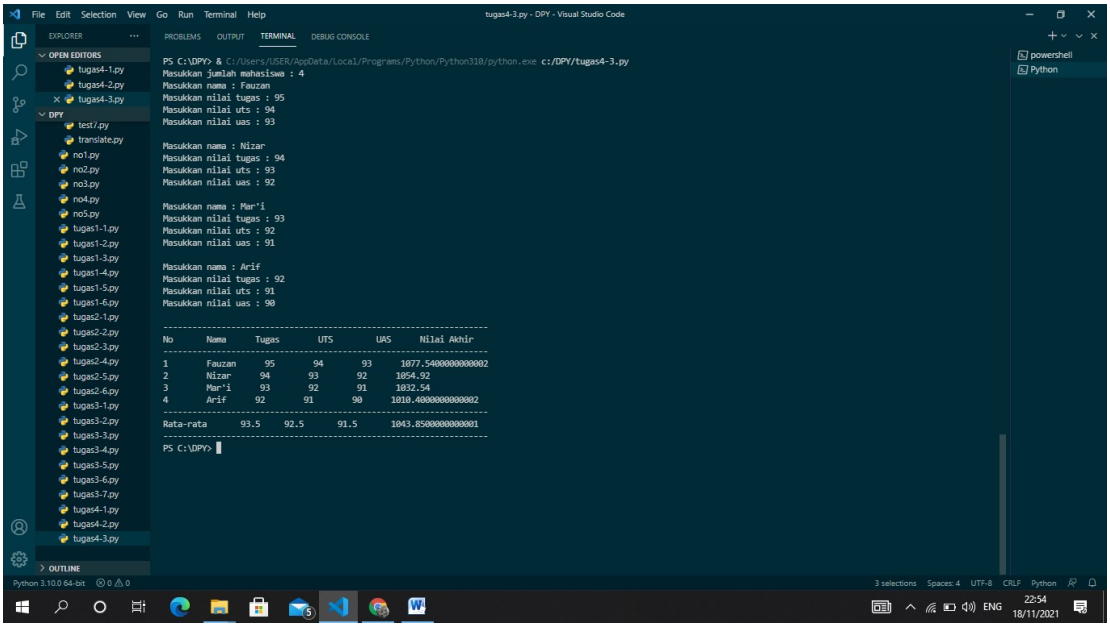




3. Program Pengolahan Nilai Mahasiswa

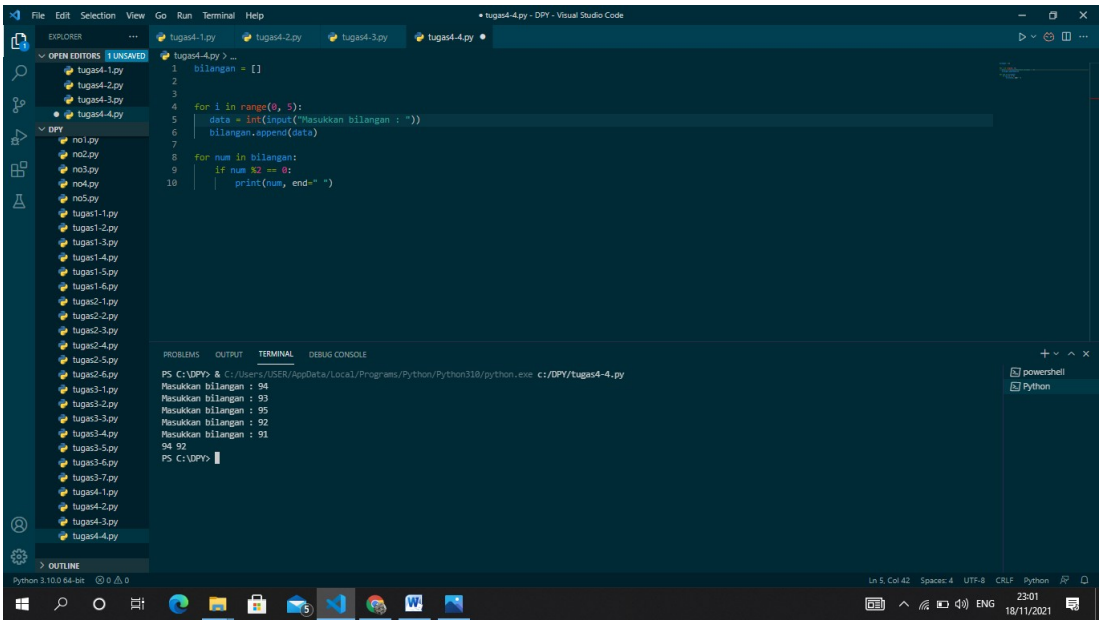


```
listnama = []
listtugas = []
listuts = []
listuas = []
na = []
jumlah = int(input("Masukkan jumlah mahasiswa : "))

for i in range(1, jumlah+1):
    nama = str(input("Masukkan nama : "))
    listnama.append(nama)
    tugas = float(input("Masukkan nilai tugas : "))
    listtugas.append(tugas)
    uts = float(input("Masukkan nilai uts : "))
    listuts.append(uts)
    uas = float(input("Masukkan nilai uas : "))
    listuas.append(uas)
    na.append(0.30*tugas+0.30*uts*0.40*uas)
    print()
print("-----------------------------------------------------------------")
print("No       Nama      Tugas        UTS         UAS      Nilai Akhir")
print("-----------------------------------------------------------------")

for nilai in range(1, jumlah+1):
    print(
        f"{nilai}        {listnama[nilai-1]}      {listtugas[nilai-1]}       {listuts[nilai-1]}       {listuas[nilai-1]}      {na[nilai-1]}")
print("-----------------------------------------------------------------")

ratatugas = sum(listtugas)/jumlah
ratauts = sum(listuts)/jumlah
ratauas = sum(listuas)/jumlah
ratana = sum(na)/jumlah
print(f"Rata-rata       {ratatugas}     {ratauts}       {ratauas}       {ratana}")
print("-----------------------------------------------------------------")
```

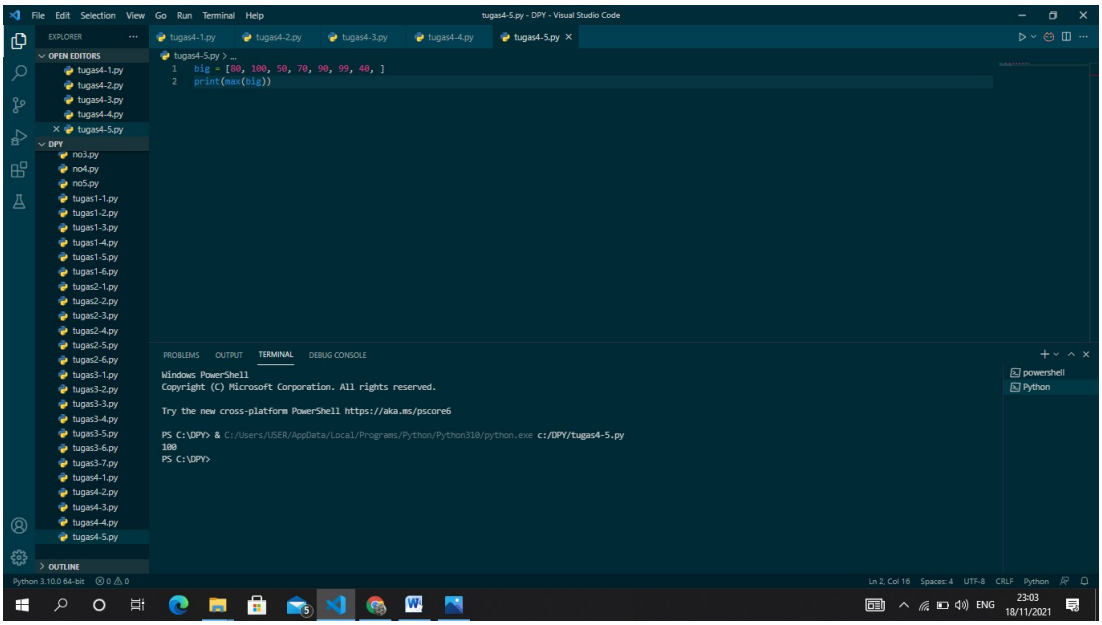


```
PS C:\DPY> & C:/Users/USER/AppData/Local/Programs/Python/Python310/python.exe c:/DPY/tugas4-3.py
Masukkan jumlah mahasiswa : 4
Masukkan nama : Fauzan
Masukkan nilai tugas : 95
Masukkan nilai uts : 94
Masukkan nilai uas : 93

Masukkan nama : Nizar
Masukkan nilai tugas : 94
Masukkan nilai uts : 93
Masukkan nilai uas : 92

Masukkan nama : Mar'i
Masukkan nilai tugas : 93
Masukkan nilai uts : 92
Masukkan nilai uas : 91

Masukkan nama : Arif
Masukkan nilai tugas : 92
Masukkan nilai uts : 91
Masukkan nilai uas : 90

-----------------------------------------------------------------
No       Nama      Tugas        UTS         UAS      Nilai Akhir
-----------------------------------------------------------------
1        Fauzan      95        94        93       1077.5400000000002
2        Nizar       94        93        92       1054.92
3        Mar'i       93        92        91       1032.54
4        Arif        92        91        90       1010.4000000000002
-----------------------------------------------------------------
Rata-rata        93.5      92.5       91.5       1043.8500000000001
-----------------------------------------------------------------

PS C:\DPY>
```

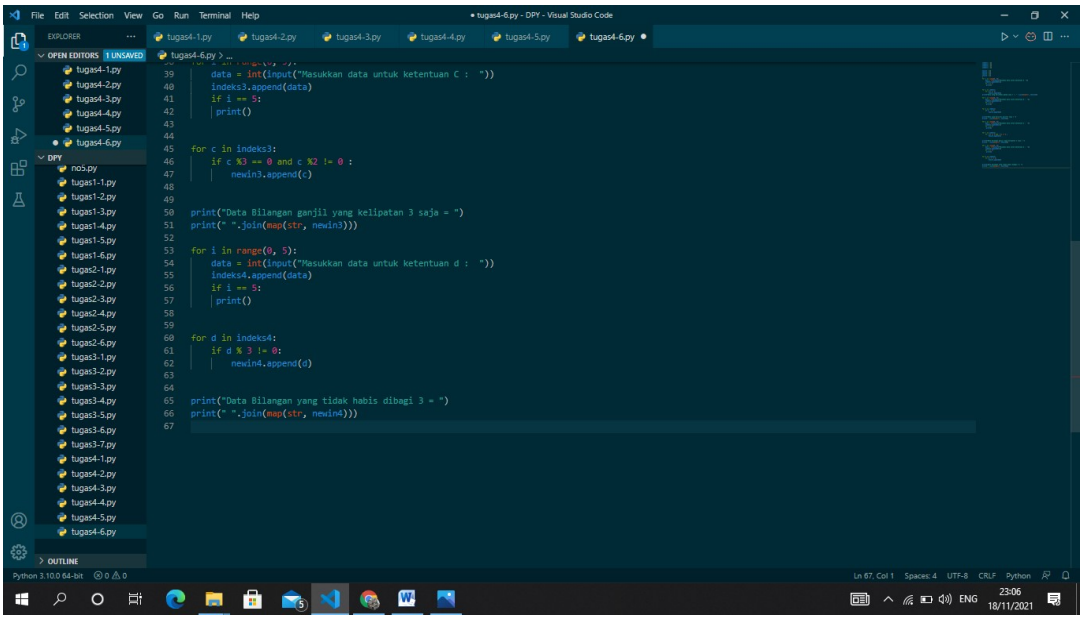
4. Membuat Inputan dan Menampilkan Bilangan Genap



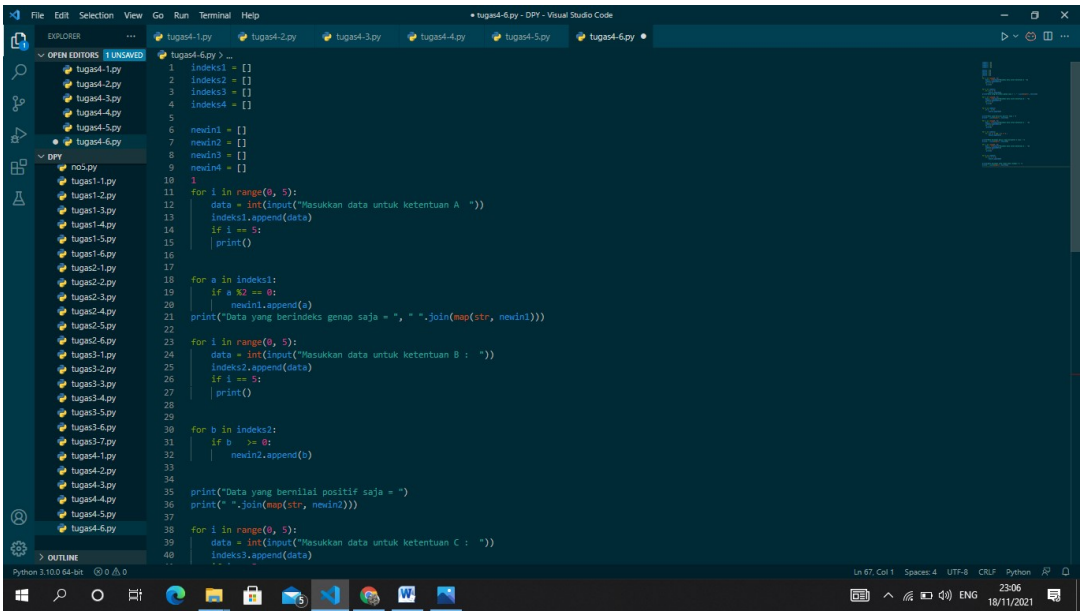
5. Mencari Bilangan Terbesar Dari Sekelompok Data



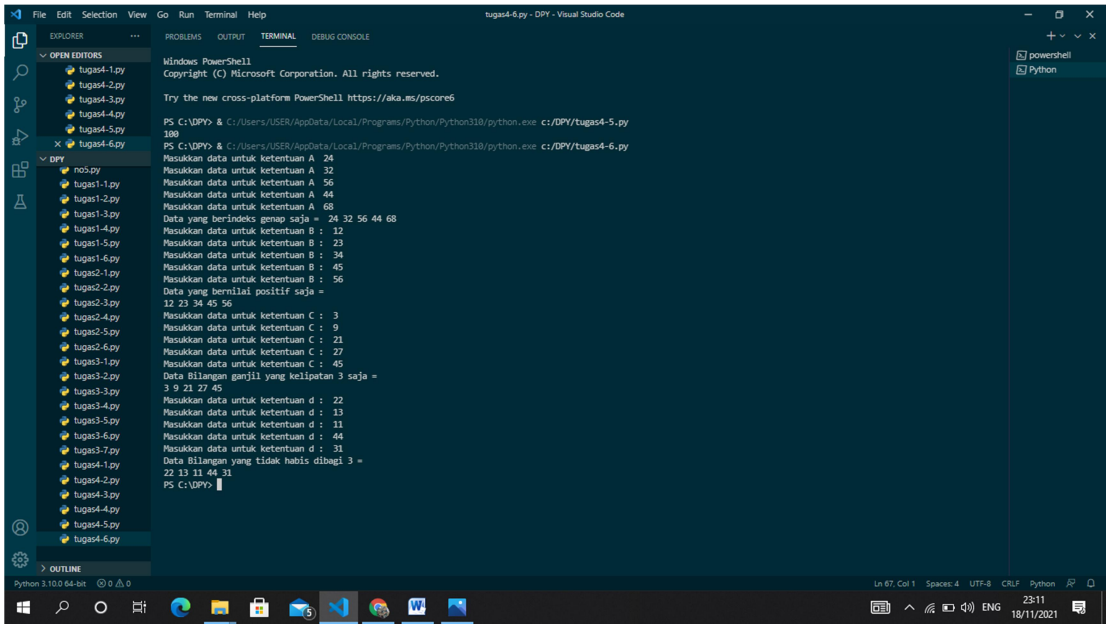
6. Program Menampilkan Sejumlah Data Dari Masukkan



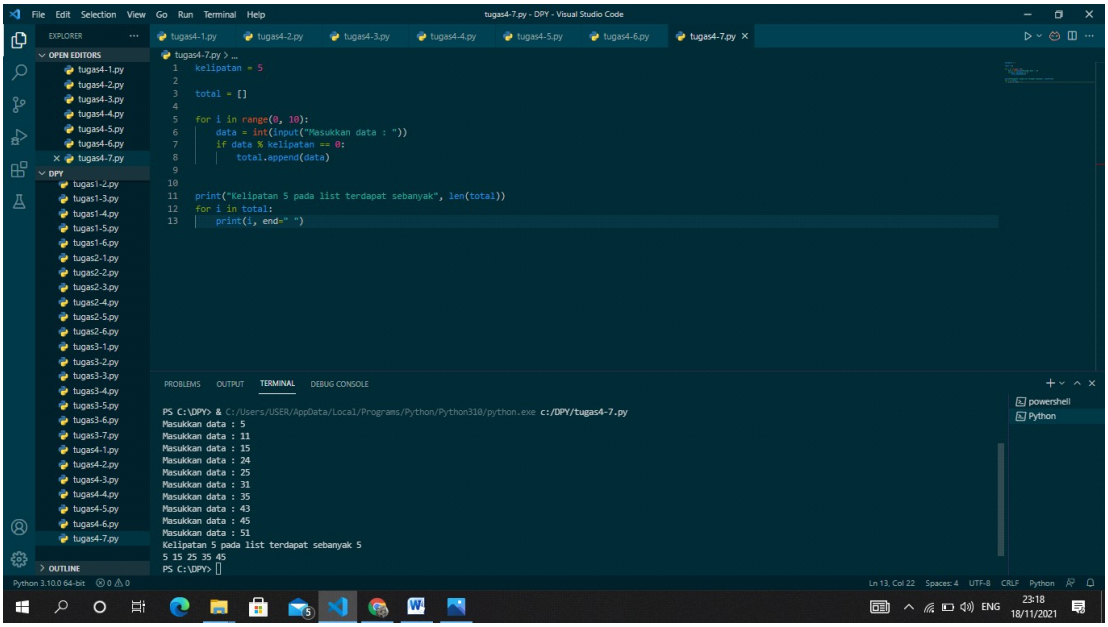
```
for c in indeks3:
    if c %3 == 0 and c %2 != 0 :
        newin3.append(c)


print("Data Bilangan ganjil yang kelipatan 3 saja = ")
print(" ".join(map(str, newin3)))

for i in range(0, 5):
    data = int(input("Masukkan data untuk ketentuan d :  "))
    indeks4.append(data)
    if i == 5:
        print()


for d in indeks4:
    if d % 3 != 0:
        newin4.append(d)


print("Data Bilangan yang tidak habis dibagi 3 = ")
print(" ".join(map(str, newin4)))
```



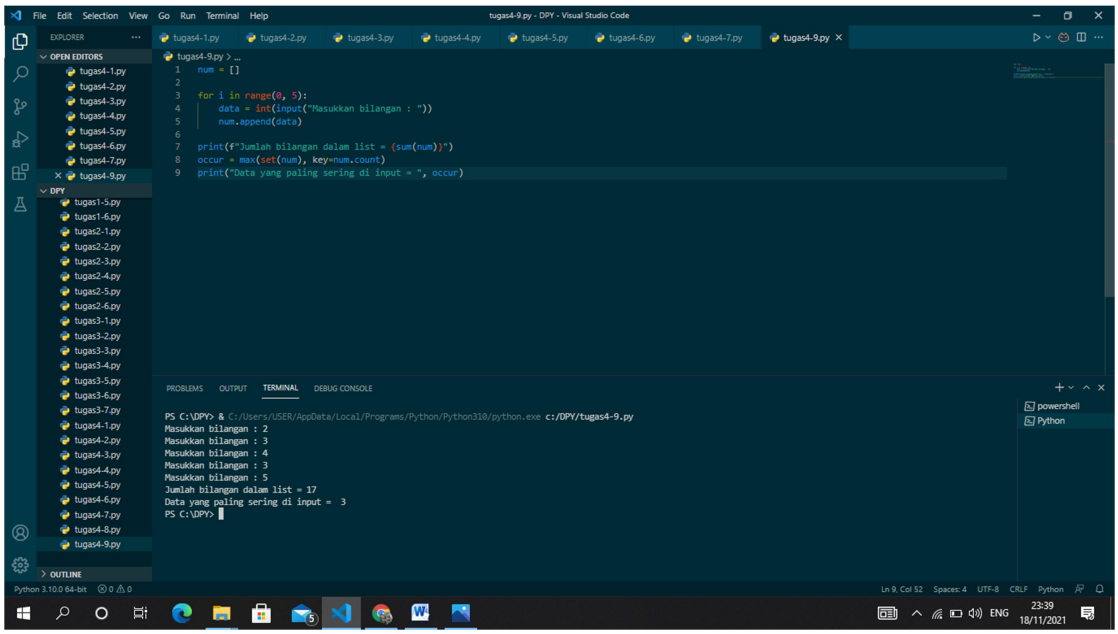
```
indeks1 = []
indeks2 = []
indeks3 = []
indeks4 = []

newin1 = []
newin2 = []
newin3 = []
newin4 = []
1
for i in range(0, 5):
    data = int(input("Masukkan data untuk ketentuan A  "))
    indeks1.append(data)
    if i == 5:
        print()


for a in indeks1:
    if a %2 == 0:
        newin1.append(a)
print("Data yang berindeks genap saja = ", " ".join(map(str, newin1)))

for i in range(0, 5):
    data = int(input("Masukkan data untuk ketentuan B :  "))
    indeks2.append(data)
    if i == 5:
        print()


for b in indeks2:
    if b   >= 0:
        newin2.append(b)


print("Data yang bernilai positif saja = ")
print(" ".join(map(str, newin2)))

for i in range(0, 5):
    data = int(input("Masukkan data untuk ketentuan C :  "))
    indeks3.append(data)
```



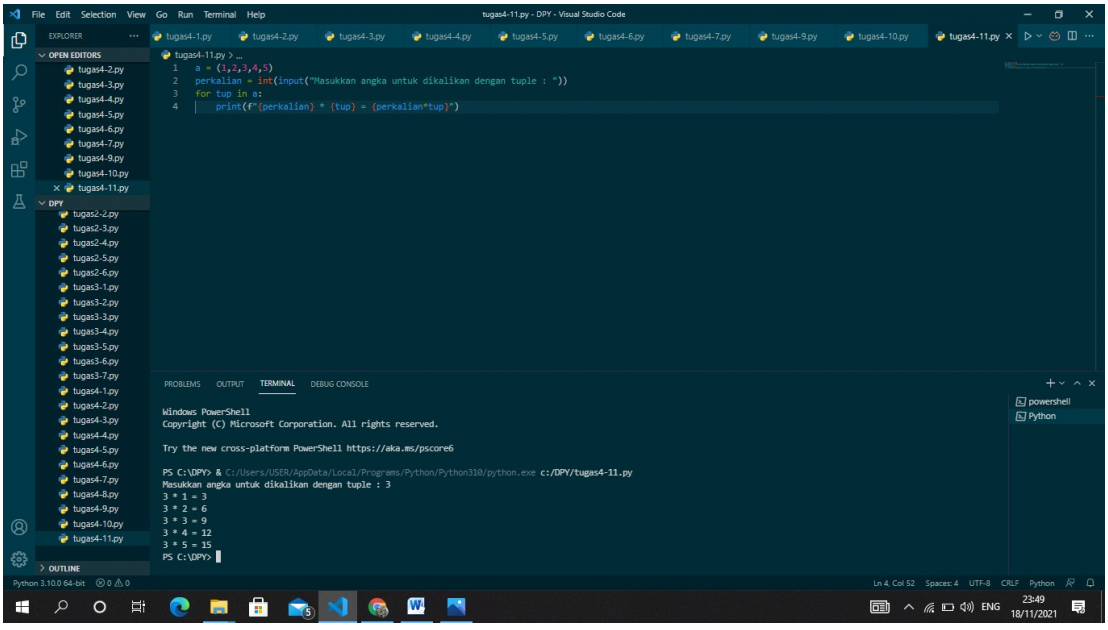
7. Menampilkan Angka Kelipatan 5 Dari Beberapa Data



9. Menghitung Banyaknya Bilangan X



12. Membuat Inputan Yang Akan Dikalikan Dengan Bilangan Tuple



13. Program Menghubungkan Dengan Dictionary