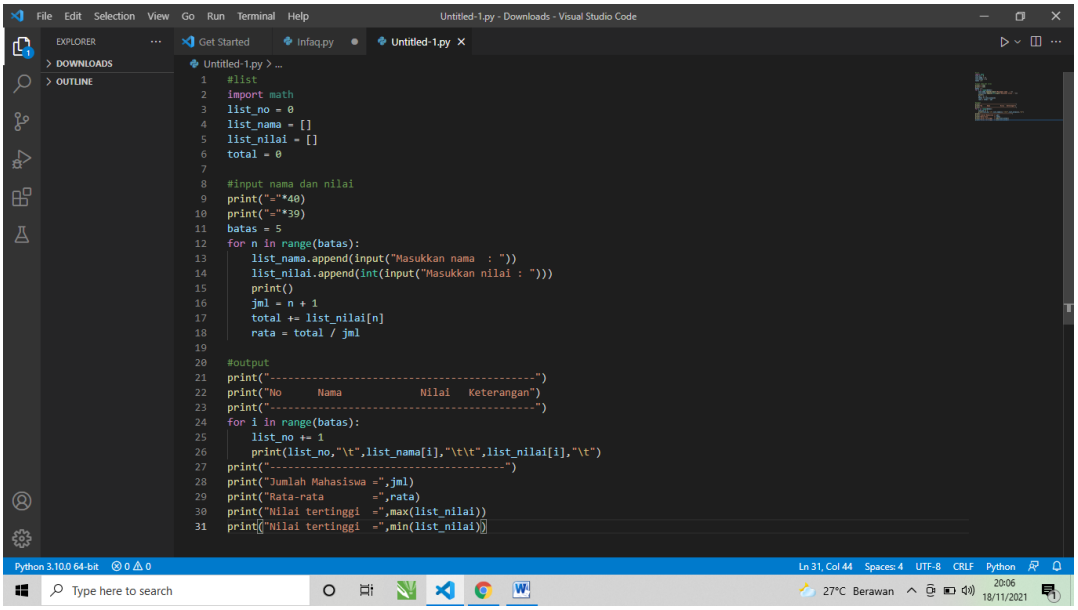
Nama: Ade Lilis Aprianti

Nim: 20.01.013.048

Kelas: AI-B

Praktikum python IV.UTS

1.

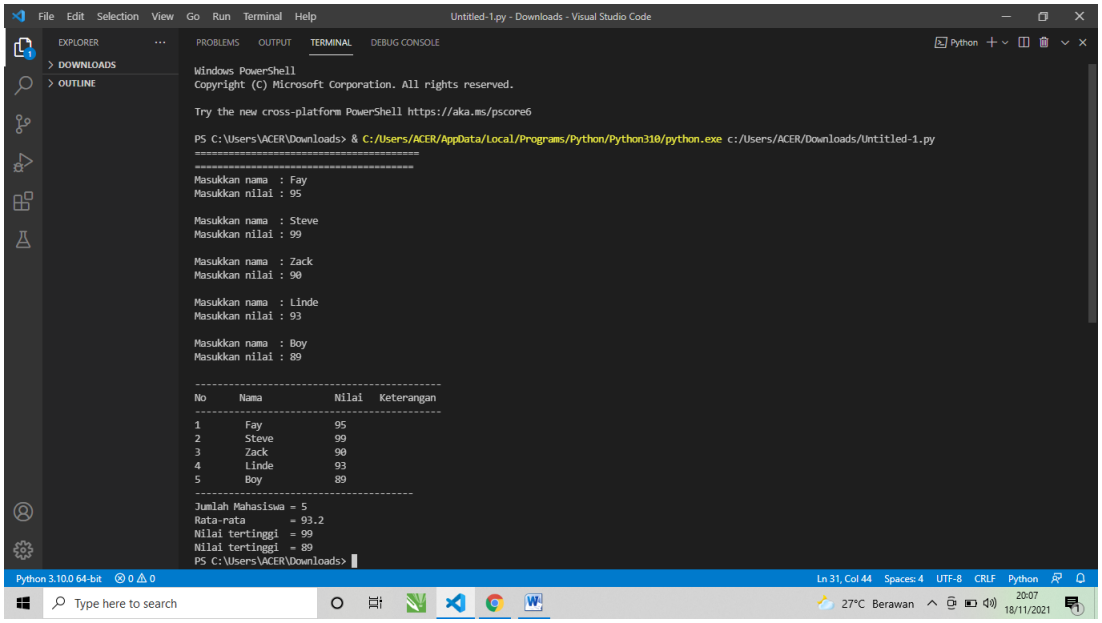


```
#list
import math
list_no = 0
list_nama = []
list_nilai = []
total = 0

#input nama dan nilai
print("="*40)
print("="*39)
batas = 5
for n in range(batas):
    list_nama.append(input("Masukkan nama  : "))
    list_nilai.append(int(input("Masukkan nilai : ")))
    print()
    jml = n + 1
    total += list_nilai[n]
    rata = total / jml

#output
print("----------------------------------------")
print("No      Nama            Nilai   Keterangan")
print("----------------------------------------")
for i in range(batas):
    list_no += 1
    print(list_no,"\t",list_nama[i],"\t\t",list_nilai[i],"\t")
print("----------------------------------------")
print("Jumlah Mahasiswa =",jml)
print("Rata-rata        =",rata)
print("Nilai tertinggi  =",max(list_nilai))
print("Nilai tertinggi  =",min(list_nilai))
```

Outputnya:



```
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\ACER\Downloads> & C:/Users/ACER/AppData/Local/Programs/Python/Python310/python.exe c:/Users/ACER/Downloads/Untitled-1.py
========================================
========================================
Masukkan nama  : Fay
Masukkan nilai : 95

Masukkan nama  : Steve
Masukkan nilai : 99

Masukkan nama  : Zack
Masukkan nilai : 90

Masukkan nama  : Linde
Masukkan nilai : 93

Masukkan nama  : Boy
Masukkan nilai : 89

----------------------------------------
No      Nama            Nilai   Keterangan
----------------------------------------
1       Fay             95
2       Steve           99
3       Zack            90
4       Linde           93
5       Boy             89
----------------------------------------
Jumlah Mahasiswa = 5
Rata-rata        = 93.2
Nilai tertinggi  = 99
Nilai tertinggi  = 89
PS C:\Users\ACER\Downloads>
```
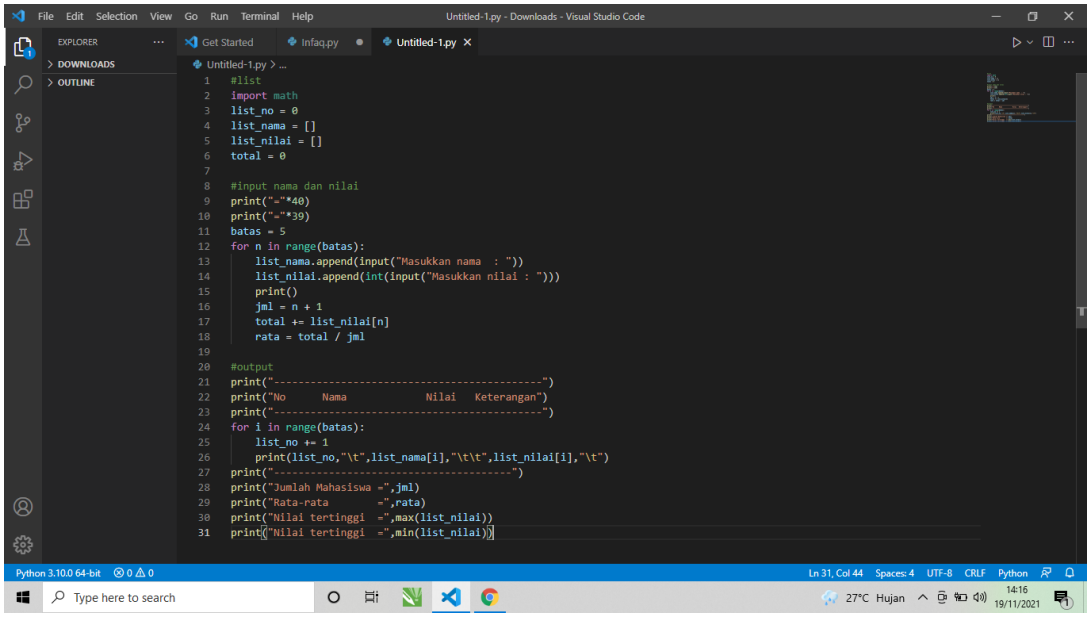
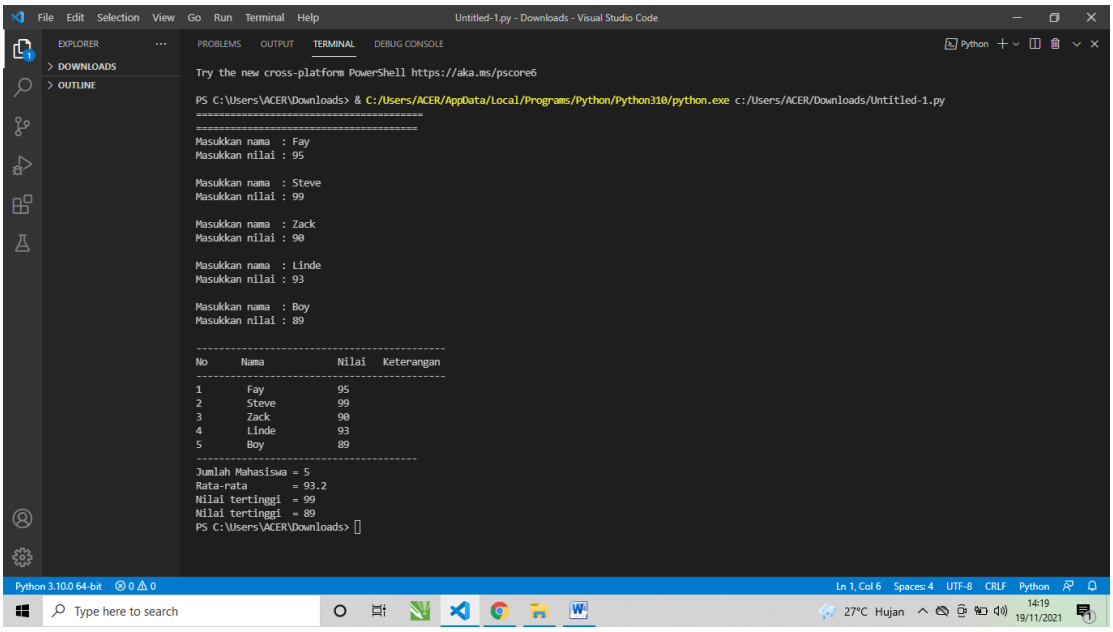

2.



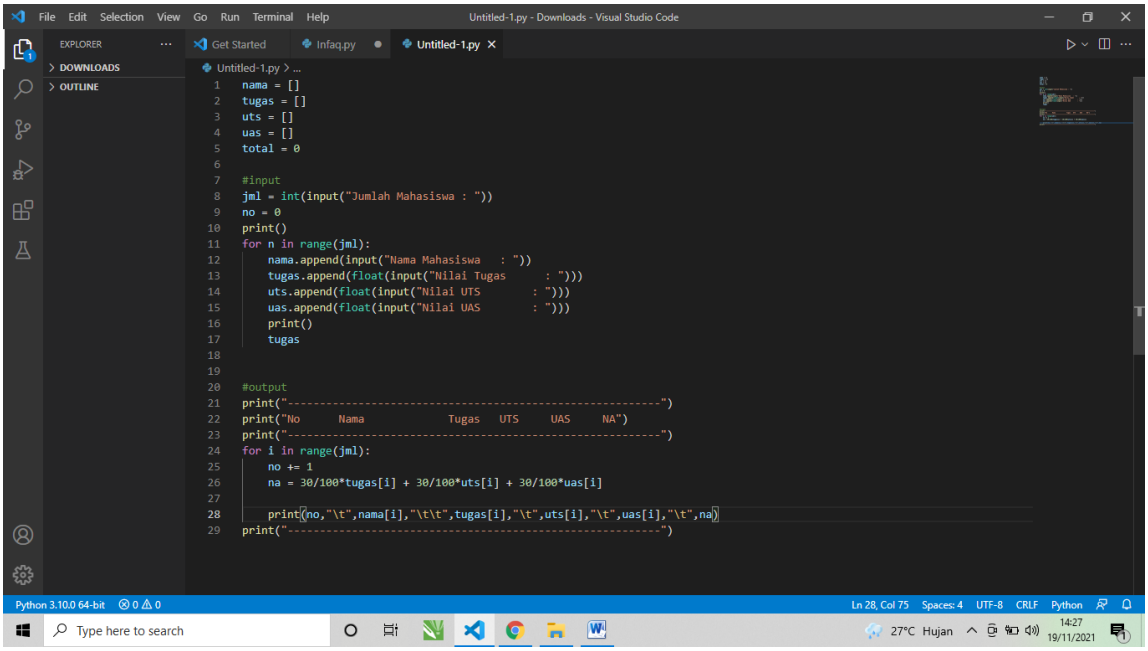
```
#list
import math
list_no = 0
list_nama = []
list_nilai = []
total = 0

#input nama dan nilai
print("="*40)
print("="*39)
batas = 5
for n in range(batas):
    list_nama.append(input("Masukkan nama  : "))
    list_nilai.append(int(input("Masukkan nilai : ")))
    print()
    jml = n + 1
    total += list_nilai[n]
    rata = total / jml

#output
print("-----------------------------------------")
print("No      Nama            Nilai   Keterangan")
print("-----------------------------------------")
for i in range(batas):
    list_no += 1
    print(list_no,"\t",list_nama[i],"\t\t",list_nilai[i],"\t")
print("-----------------------------------------")
print("Jumlah Mahasiswa =",jml)
print("Rata-rata        =",rata)
print("Nilai tertinggi  =",max(list_nilai))
print("Nilai tertinggi  =",min(list_nilai))
```

Outputnya:



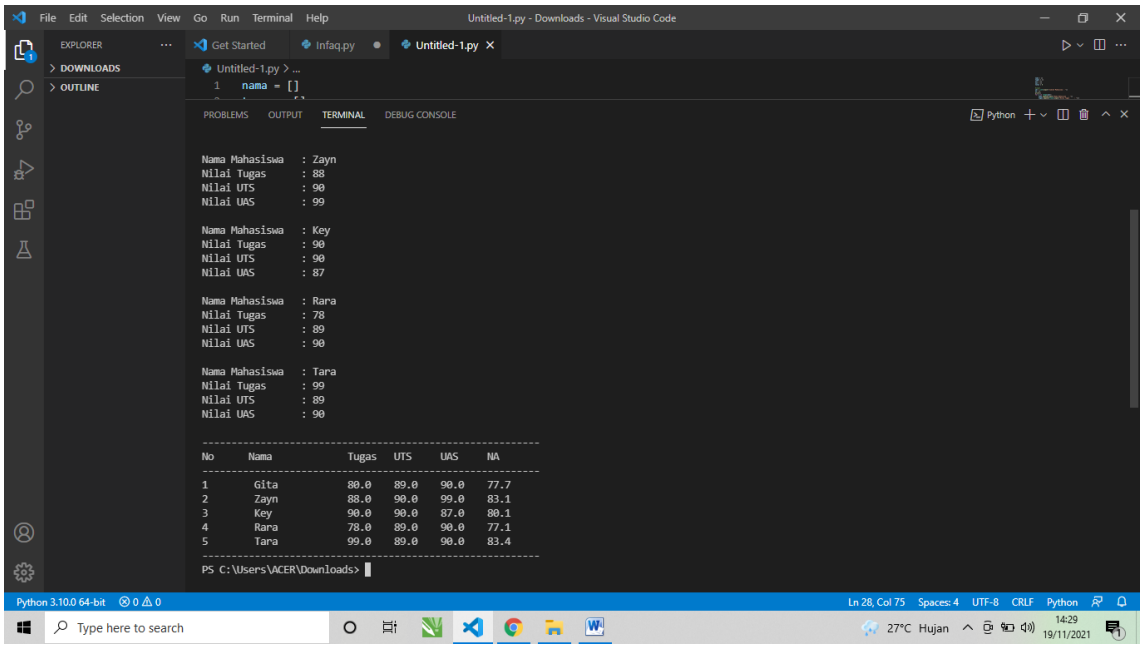
```
Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\ACER\Downloads> & C:/Users/ACER/AppData/Local/Programs/Python/Python310/python.exe c:/Users/ACER/Downloads/Untitled-1.py
========================================
========================================
Masukkan nama  : Fay
Masukkan nilai : 95

Masukkan nama  : Steve
Masukkan nilai : 99

Masukkan nama  : Zack
Masukkan nilai : 90

Masukkan nama  : Linde
Masukkan nilai : 93

Masukkan nama  : Boy
Masukkan nilai : 89

-----------------------------------------
No      Nama            Nilai   Keterangan
-----------------------------------------
1       Fay             95
2       Steve           99
3       Zack            90
4       Linde           93
5       Boy             89
-----------------------------------------
Jumlah Mahasiswa = 5
Rata-rata        = 93.2
Nilai tertinggi  = 99
Nilai tertinggi  = 89
PS C:\Users\ACER\Downloads>
```

3.



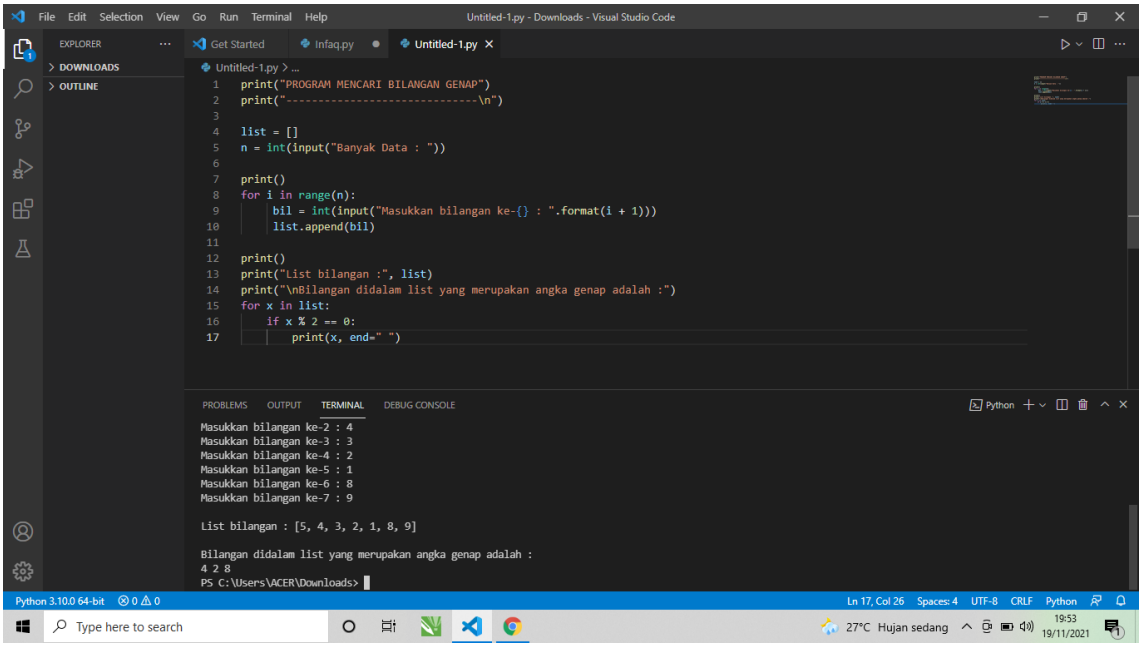
```
nama = []
tugas = []
uts = []
uas = []
total = 0

#input
jml = int(input("Jumlah Mahasiswa : "))
no = 0
print()
for n in range(jml):
    nama.append(input("Nama Mahasiswa   : "))
    tugas.append(float(input("Nilai Tugas      : ")))
    uts.append(float(input("Nilai UTS        : ")))
    uas.append(float(input("Nilai UAS        : ")))
    print()
    tugas


#output
print("-------------------------------------------------------")
print("No      Nama            Tugas   UTS     UAS     NA")
print("-------------------------------------------------------")
for i in range(jml):
    no += 1
    na = 30/100*tugas[i] + 30/100*uts[i] + 30/100*uas[i]

    print(no,"\t",nama[i],"\t\t",tugas[i],"\t",uts[i],"\t",uas[i],"\t",na)
print("-------------------------------------------------------")
```

Outputnya:

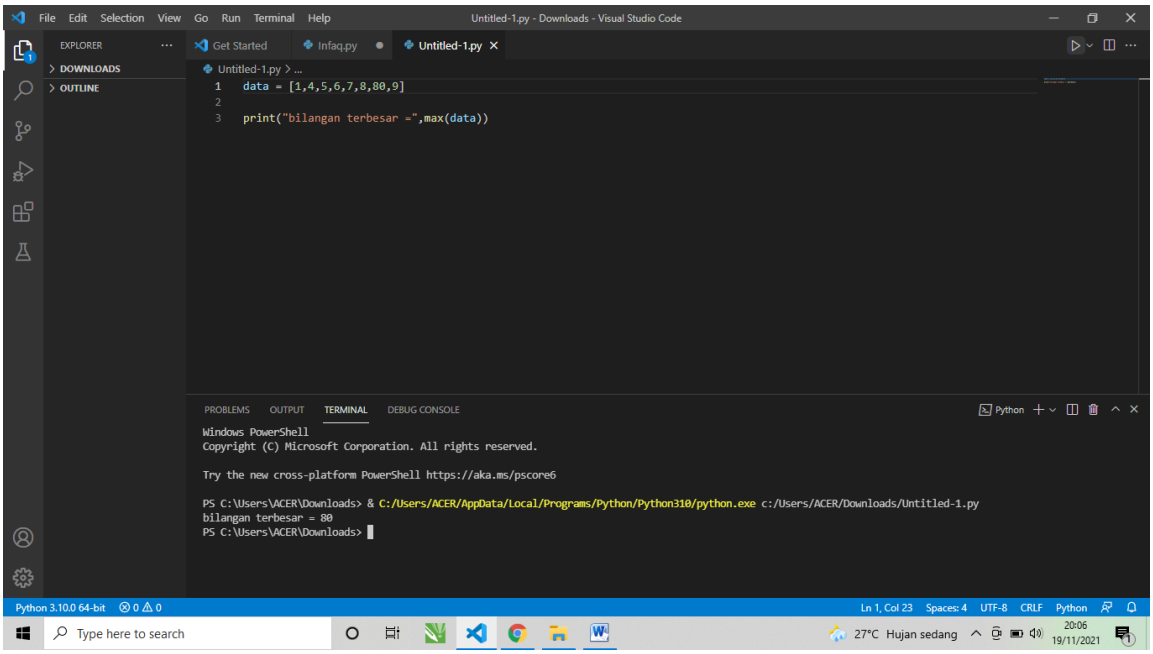


```
Nama Mahasiswa   : Zayn
Nilai Tugas      : 88
Nilai UTS        : 90
Nilai UAS        : 99

Nama Mahasiswa   : Key
Nilai Tugas      : 90
Nilai UTS        : 90
Nilai UAS        : 87

Nama Mahasiswa   : Rara
Nilai Tugas      : 78
Nilai UTS        : 89
Nilai UAS        : 90

Nama Mahasiswa   : Tara
Nilai Tugas      : 99
Nilai UTS        : 89
Nilai UAS        : 90

-------------------------------------------------------
No      Nama            Tugas   UTS     UAS     NA
-------------------------------------------------------
1       Gita            80.0    89.0    90.0    77.7
2       Zayn            88.0    90.0    99.0    83.1
3       Key             90.0    90.0    87.0    80.1
4       Rara            78.0    89.0    90.0    77.1
5       Tara            99.0    89.0    90.0    83.4
-------------------------------------------------------
PS C:\Users\ACER\Downloads>
```

4.


File Edit Selection View Go Run Terminal Help
Untitled-1.py - Downloads - Visual Studio Code
EXPLORER
DOWNLOADS
OUTLINE
Get Started
Infaq.py
Untitled-1.py
Untitled-1.py > ...
print("PROGRAM MENCARI BILANGAN GENAP")
print("-----------------------------\n")
list = []
n = int(input("Banyak Data : "))
print()
for i in range(n):
bil = int(input("Masukkan bilangan ke-{} : ".format(i + 1)))
list.append(bil)
print()
print("List bilangan :", list)
print("\nBilangan didalam list yang merupakan angka genap adalah :")
for x in list:
if x % 2 == 0:
print(x, end=" ")
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
Python
Masukkan bilangan ke-2 : 4
Masukkan bilangan ke-3 : 3
Masukkan bilangan ke-4 : 2
Masukkan bilangan ke-5 : 1
Masukkan bilangan ke-6 : 8
Masukkan bilangan ke-7 : 9
List bilangan : [5, 4, 3, 2, 1, 8, 9]
Bilangan didalam list yang merupakan angka genap adalah :
4 2 8
PS C:\Users\ACER\Downloads>
Python 3.10.0 64-bit
Ln 17, Col 26 Spaces: 4 UTF-8 CRLF Python
Type here to search
27°C Hujan sedang
19:53
19/11/2021

5.


File Edit Selection View Go Run Terminal Help
Untitled-1.py - Downloads - Visual Studio Code
EXPLORER
DOWNLOADS
OUTLINE
Get Started
Infaq.py
Untitled-1.py
Untitled-1.py > ...
data = [1,4,5,6,7,8,80,9]
print("bilangan terbesar =",max(data))
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
Python
Windows PowerShell
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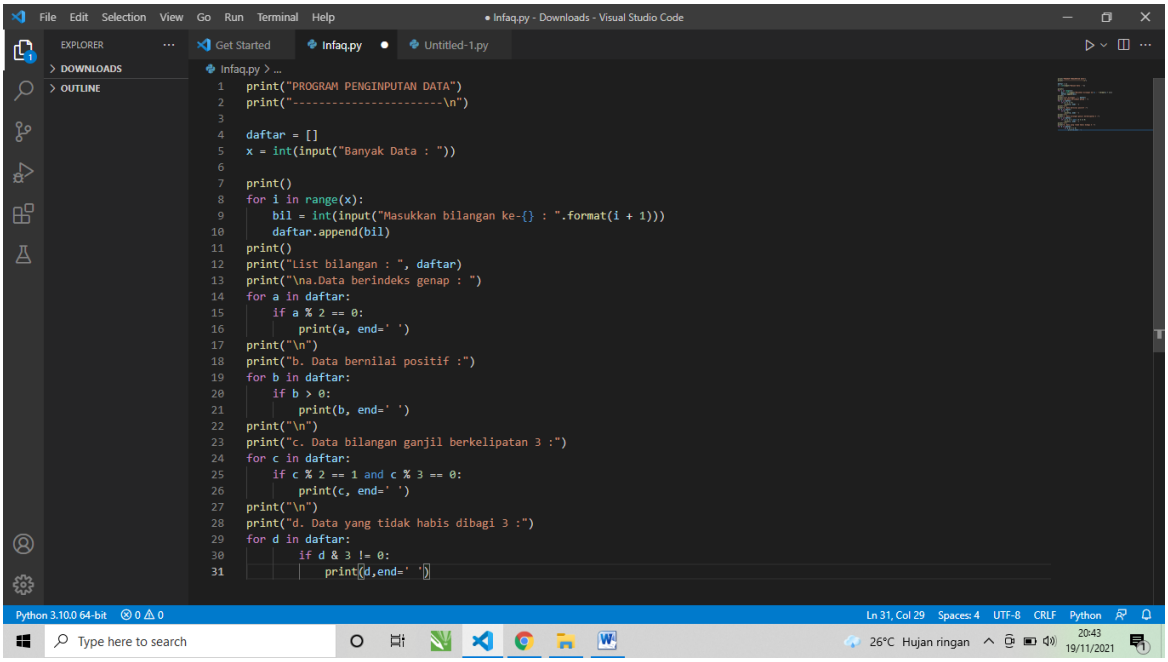
PS C:\Users\ACER\Downloads> & C:/Users/ACER/AppData/Local/Programs/Python/Python310/python.exe c:/Users/ACER/Downloads/Untitled-1.py
bilangan terbesar = 80
PS C:\Users\ACER\Downloads>
Python 3.10.0 64-bit
Ln 1, Col 23 Spaces: 4 UTF-8 CRLF Python
Type here to search
27°C Hujan sedang
20:06
19/11/2021

6.

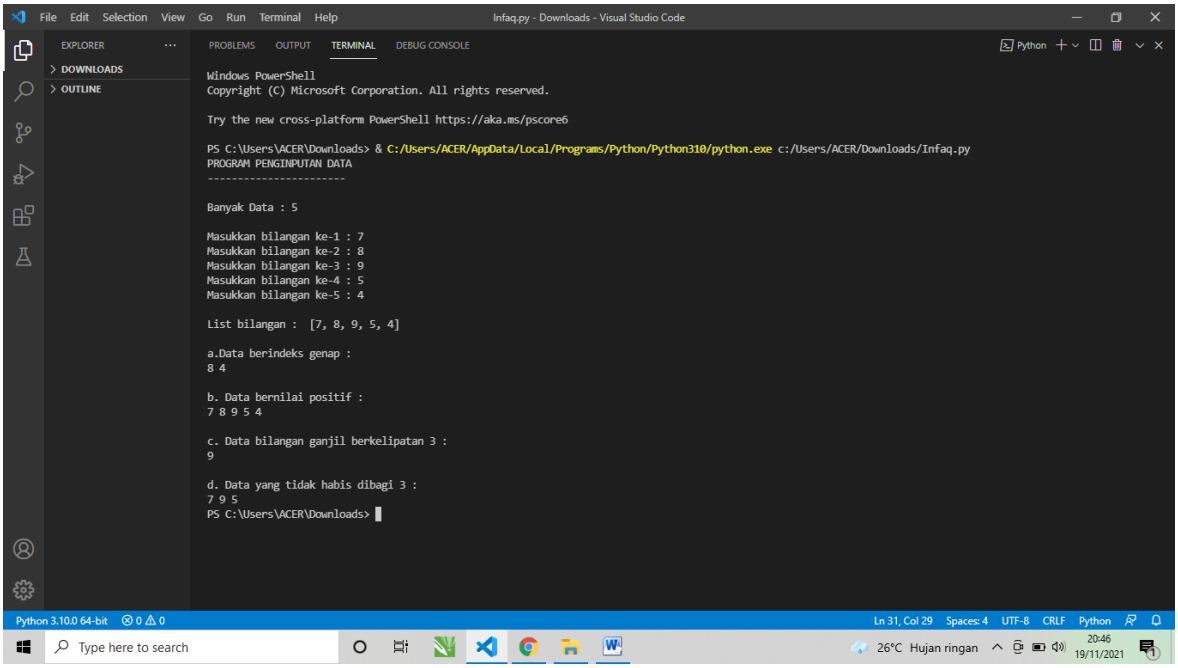


```
print("PROGRAM PENGINPUTAN DATA")
print("----------------------\n")

daftar = []
x = int(input("Banyak Data : "))

print()
for i in range(x):
    bil = int(input("Masukkan bilangan ke-{} : ".format(i + 1)))
    daftar.append(bil)
print()
print("List bilangan : ", daftar)
print("\na.Data berindeks genap : ")
for a in daftar:
    if a % 2 == 0:
        print(a, end=' ')
print("\n")
print("b. Data bernilai positif :")
for b in daftar:
    if b > 0:
        print(b, end=' ')
print("\n")
print("c. Data bilangan ganjil berkelipatan 3 :")
for c in daftar:
    if c % 2 == 1 and c % 3 == 0:
        print(c, end=' ')
print("\n")
print("d. Data yang tidak habis dibagi 3 :")
for d in daftar:
        if d & 3 != 0:
            print(d,end=' ')
```

Outputnya:



```
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\ACER\Downloads> & C:/Users/ACER/AppData/Local/Programs/Python/Python310/python.exe c:/Users/ACER/Downloads/Infaq.py
PROGRAM PENGINPUTAN DATA
----------------------

Banyak Data : 5

Masukkan bilangan ke-1 : 7
Masukkan bilangan ke-2 : 8
Masukkan bilangan ke-3 : 9
Masukkan bilangan ke-4 : 5
Masukkan bilangan ke-5 : 4

List bilangan :  [7, 8, 9, 5, 4]

a.Data berindeks genap :
8 4

b. Data bernilai positif :
7 8 9 5 4

c. Data bilangan ganjil berkelipatan 3 :
9

d. Data yang tidak habis dibagi 3 :
7 9 5
PS C:\Users\ACER\Downloads>
```
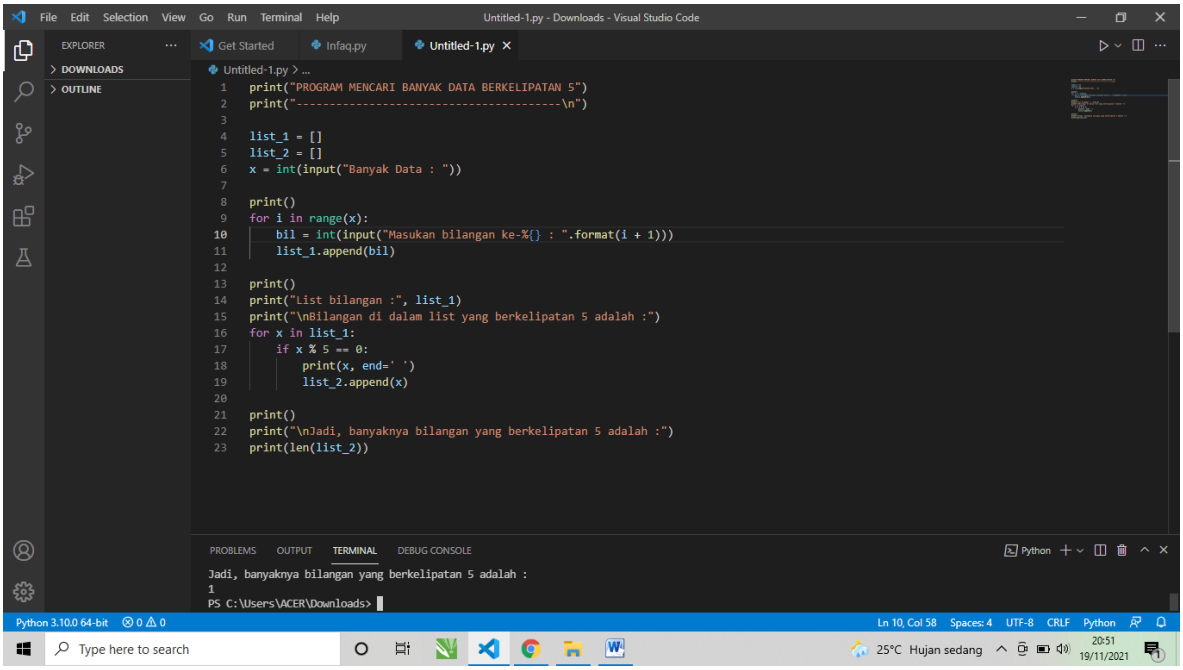
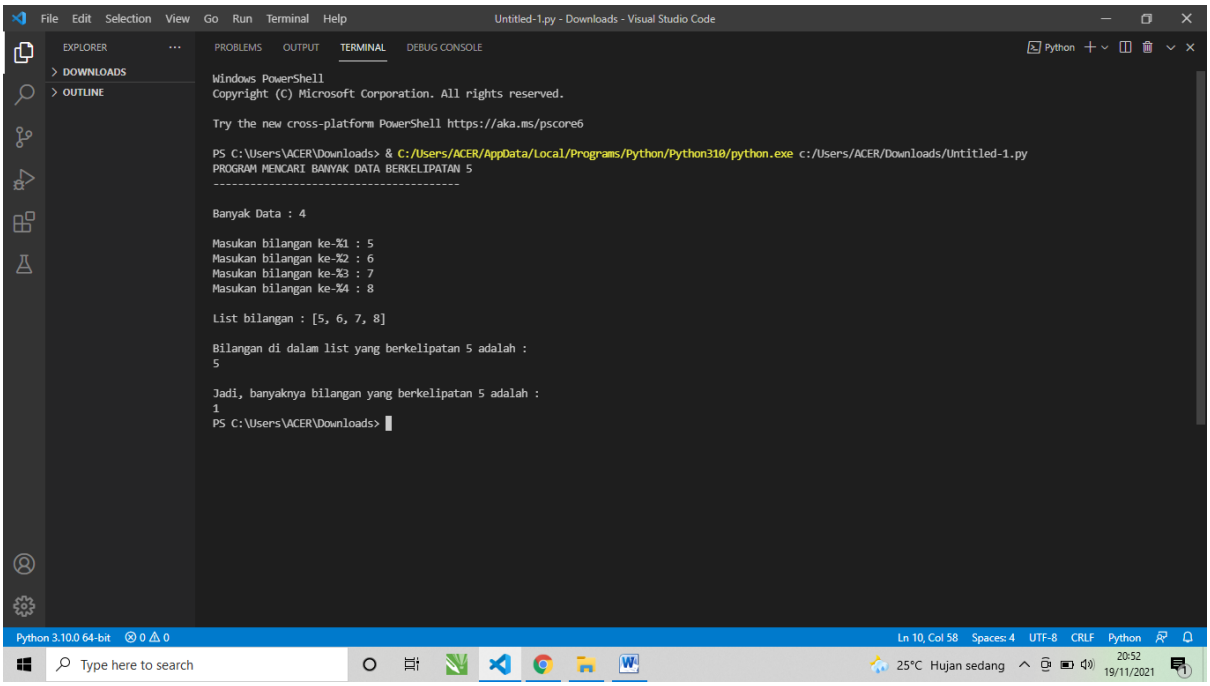

7.

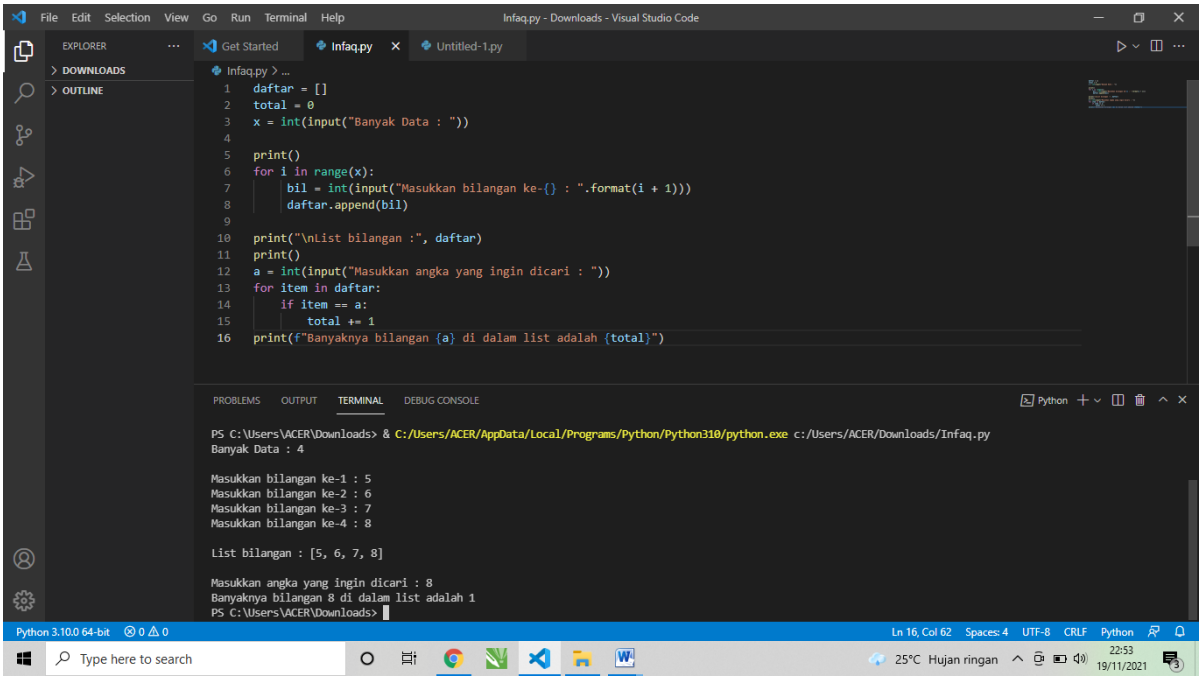


Outputnya:



8.

9.


File Edit Selection View Go Run Terminal Help
Infaq.py - Downloads - Visual Studio Code
EXPLORER
DOWNLOADS
OUTLINE
Get Started
Infaq.py
Untitled-1.py
Infaq.py > ...
1 daftar = []
2 total = 0
3 x = int(input("Banyak Data : "))
4
5 print()
6 for i in range(x):
7 bil = int(input("Masukkan bilangan ke-{} : ".format(i + 1)))
8 daftar.append(bil)
9
10 print("\nList bilangan :", daftar)
11 print()
12 a = int(input("Masukkan angka yang ingin dicari : "))
13 for item in daftar:
14 if item == a:
15 total += 1
16 print(f"Banyaknya bilangan {a} di dalam list adalah {total}")
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
Python
PS C:\Users\ACER\Downloads> & C:/Users/ACER/AppData/Local/Programs/Python/Python310/python.exe c:/Users/ACER/Downloads/Infaq.py
Banyak Data : 4
Masukkan bilangan ke-1 : 5
Masukkan bilangan ke-2 : 6
Masukkan bilangan ke-3 : 7
Masukkan bilangan ke-4 : 8
List bilangan : [5, 6, 7, 8]
Masukkan angka yang ingin dicari : 8
Banyaknya bilangan 8 di dalam list adalah 1
PS C:\Users\ACER\Downloads>
Python 3.10.0 64-bit
Ln 16, Col 62 Spaces: 4 UTF-8 CRLF Python
Type here to search
25°C Hujan ringan
22:53
19/11/2021