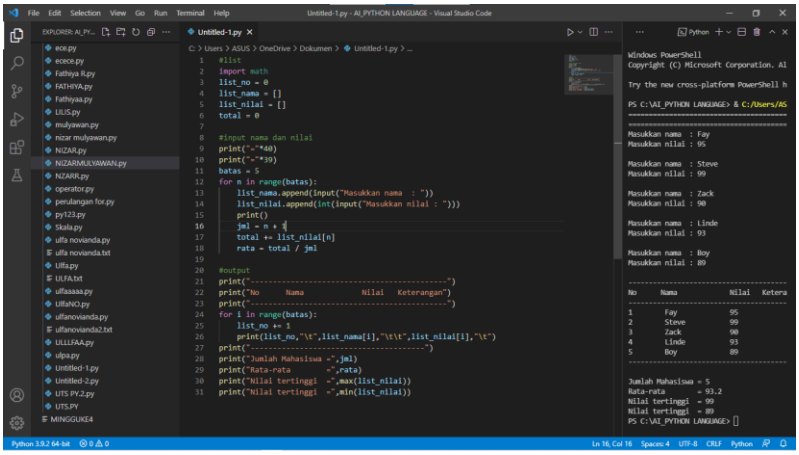
Nama : Mar'I Yustiardin

Nim : 20.01.013.009

Kelas : Kecerdasan Buatan (AI-3B)

Tugas Praktikum 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 terlinggi  =",min(list_nilai))
```

```
Windows PowerShell
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Try the new cross-platform PowerShell h

PS C:\AI_PYTHON LANGUAGE> & C:/Users/AS
==========
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   Ketera
-----------------------------------------
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 terlinggi  = 89
PS C:\AI_PYTHON LANGUAGE>
```
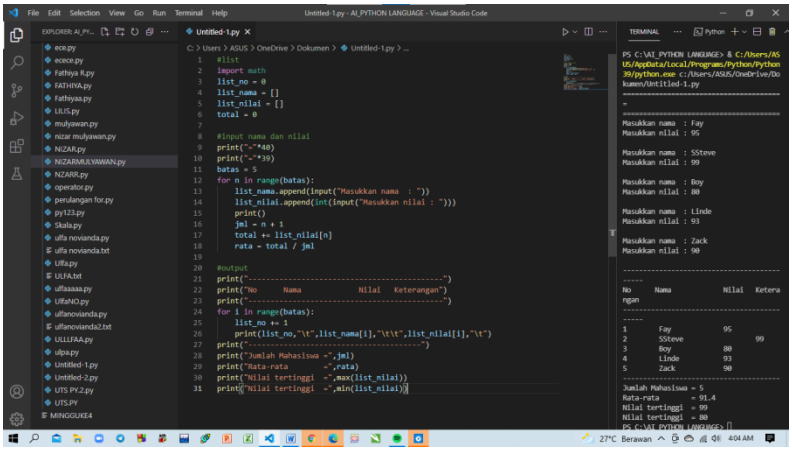
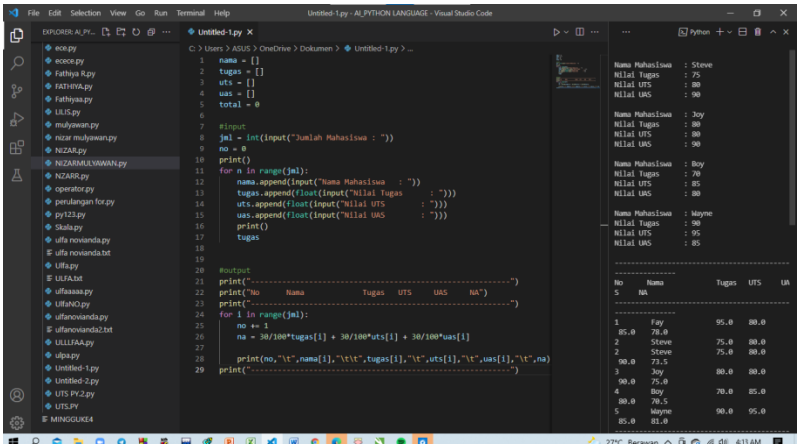

2.



```
#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 terlinggi  =",min(list_nilai))
```

```
PS C:\AI_PYTHON LANGUAGE> & C:/Users/AS
US/AppData/Local/Programs/Python/Python
39/python.exe c:/Users/ASUS/OneDrive/Do
kumen/Untitled-1.py
==========
Masukkan nama  : Fay
Masukkan nilai : 95

Masukkan nama  : SSteve
Masukkan nilai : 99

Masukkan nama  : Boy
Masukkan nilai : 80

Masukkan nama  : Linde
Masukkan nilai : 93

Masukkan nama  : Zack
Masukkan nilai : 90

-----------------------------------------
No      Nama            Nilai   Ketera
ngan
-----------------------------------------
1       Fay             95
2       SSteve                  99
3       Boy             80
4       Linde           93
5       Zack            90
-----------------------------------------
Jumlah Mahasiswa = 5
Rata-rata        = 91.4
Nilai tertinggi  = 99
Nilai terlinggi  = 80
PS C:\AI_PYTHON LANGUAGE>
```

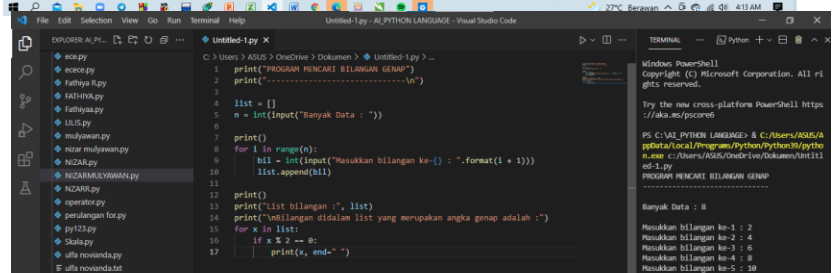
3.



```
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("-----------------------------------------------------")
```

```
Nama Mahasiswa   : Steve
Nilai Tugas      : 75
Nilai UTS        : 80
Nilai UAS        : 90

Nama Mahasiswa   : Joy
Nilai Tugas      : 80
Nilai UTS        : 80
Nilai UAS        : 90

Nama Mahasiswa   : Boy
Nilai Tugas      : 70
Nilai UTS        : 85
Nilai UAS        : 80

Nama Mahasiswa   : Wayne
Nilai Tugas      : 90
Nilai UTS        : 95
Nilai UAS        : 85

-----------------------------------------
No      Nama            Tugas   UTS     UA
S       NA
-----------------------------------------
1       Fay             95.0    80.0
 85.0   78.0
2       Steve           75.0    80.0
2       Steve           75.0    80.0
 90.0   73.5
3       Joy             80.0    80.0
 90.0   75.0
4       Boy             70.0    85.0
 80.0   76.5
5       Wayne           90.0    95.0
 85.0   81.0
```

4.



```
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=" ")
```

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

PS C:\AI_PYTHON LANGUAGE> & C:/Users/ASUS/A
ppData/Local/Programs/Python/Python39/pythe
n.exe c:/Users/ASUS/OneDrive/Dokumen/Untitl
ed-1.py
PROGRAM MENCARI BILANGAN GENAP
-------------------------------

Banyak Data : 8

Masukkan bilangan ke-1 : 2
Masukkan bilangan ke-2 : 4
Masukkan bilangan ke-3 : 6
Masukkan bilangan ke-4 : 8
Masukkan bilangan ke-5 : 10
```
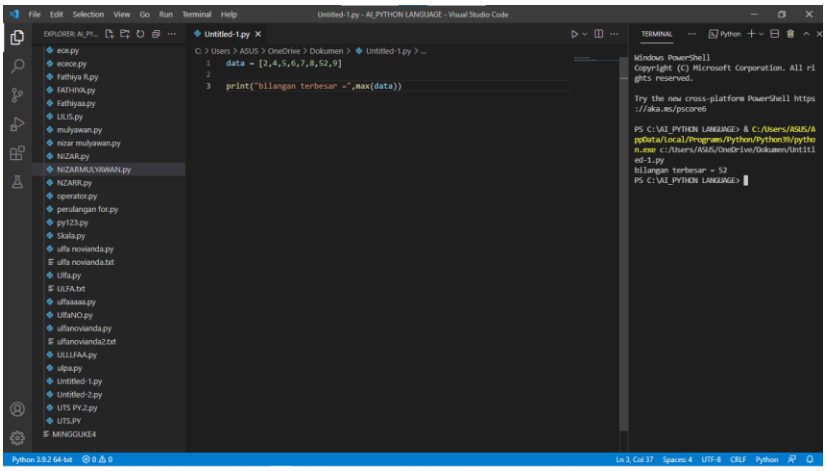
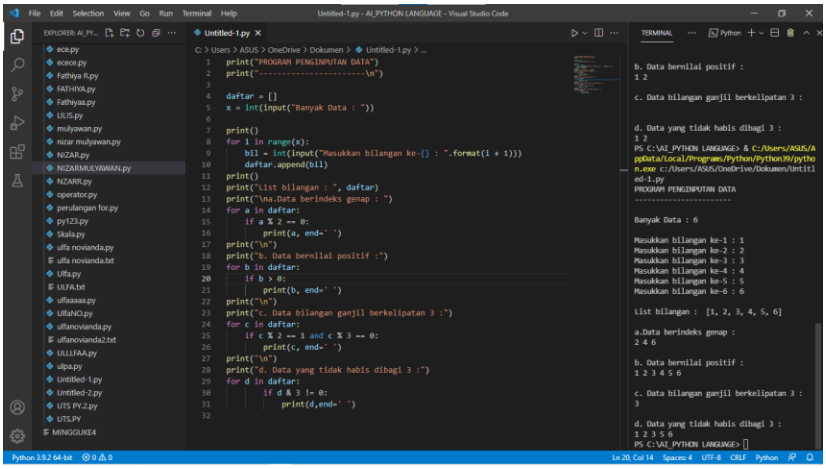
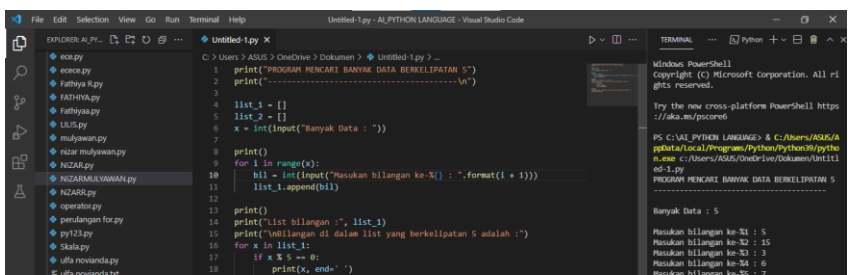

5.


Untitled-1.py - AI_PYTHON LANGUAGE - Visual Studio Code
data = [2,4,5,6,7,8,52,9]
print("bilangan terbesar =",max(data))
bilangan terbesar = 52

6.

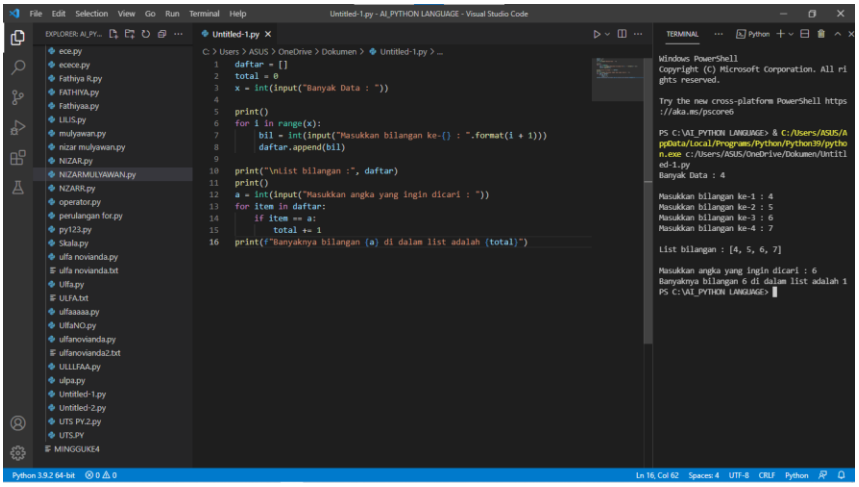

Untitled-1.py - AI_PYTHON LANGUAGE - Visual Studio Code
print("PROGRAM PENGINPUTAN DATA")
daftar = []
x = int(input("Banyak Data : "))
for i in range(x):
bil = int(input("Masukkan bilangan ke-{} : ".format(i + 1)))
daftar.append(bil)
print("List bilangan : ", daftar)
print("\na.Data berindeks genap : ")
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=' ')

7.


Untitled-1.py - AI_PYTHON LANGUAGE - Visual Studio Code
print("PROGRAM MENCARI BANYAK DATA BERKELIPATAN 5")
list_1 = []
list_2 = []
x = int(input("Banyak Data : "))
for i in range(x):
bil = int(input("Masukan bilangan ke-%i : ".format(i + 1)))
list_1.append(bil)
print("List bilangan :", list_1)
print("\nBilangan di dalam list yang berkelipatan 5 adalah :")
for x in list_1:
if x % 5 == 0:
print(x, end=' ')

8.

9.


File Edit Selection View Go Run Terminal Help
Untitled-1.py - AI_PYTHON LANGUAGE - Visual Studio Code
EXPLORER: AI_PY...
ece.py
ecece.py
Fathiya R.py
FATHIYA.py
Fathiyaa.py
LILIS.py
mulyawan.py
nizar mulyawan.py
NIZAR.py
NIZARMULYAWAN.py
NIZARR.py
operator.py
perulangan for.py
py123.py
Skala.py
ulfa novianda.py
ulfa novianda.txt
Ulfa.py
ULFA.txt
ulfaaaaa.py
UlfaNO.py
ulfanovianda.py
ulfanovianda2.txt
ULLLFAA.py
ulpa.py
Untitled-1.py
Untitled-2.py
UTS PY.2.py
UTS.PY
MINGGUKE4
Untitled-1.py
C > Users > ASUS > OneDrive > Dokumen > Untitled-1.py > ...
daftar = []
total = 0
x = int(input("Banyak Data : "))
print()
for i in range(x):
bil = int(input("Masukkan bilangan ke-{} : ".format(i + 1)))
daftar.append(bil)
print("\nList bilangan :", daftar)
print()
a = int(input("Masukkan angka yang ingin dicari : "))
for item in daftar:
if item == a:
total += 1
print(f"Banyaknya bilangan {a} di dalam list adalah {total}")
TERMINAL
Python
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.
Try the new cross-platform PowerShell https://aka.ms/pscore6
PS C:\AI_PYTHON LANGUAGE> & C:/Users/ASUS/AppData/Local/Programs/Python/Python39/python.exe c:/Users/ASUS/OneDrive/Dokumen/Untitled-1.py
Banyak Data : 4
Masukkan bilangan ke-1 : 4
Masukkan bilangan ke-2 : 5
Masukkan bilangan ke-3 : 6
Masukkan bilangan ke-4 : 7
List bilangan : [4, 5, 6, 7]
Masukkan angka yang ingin dicari : 6
Banyaknya bilangan 6 di dalam list adalah 1
PS C:\AI_PYTHON LANGUAGE>
Python 3.9.2 64-bit
Ln 16, Col 62
Spaces: 4
UTF-8
CRLF
Python

10.