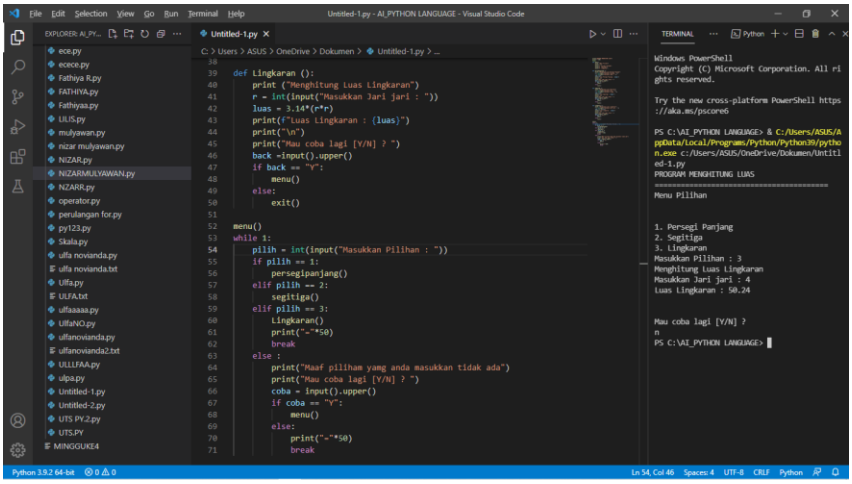
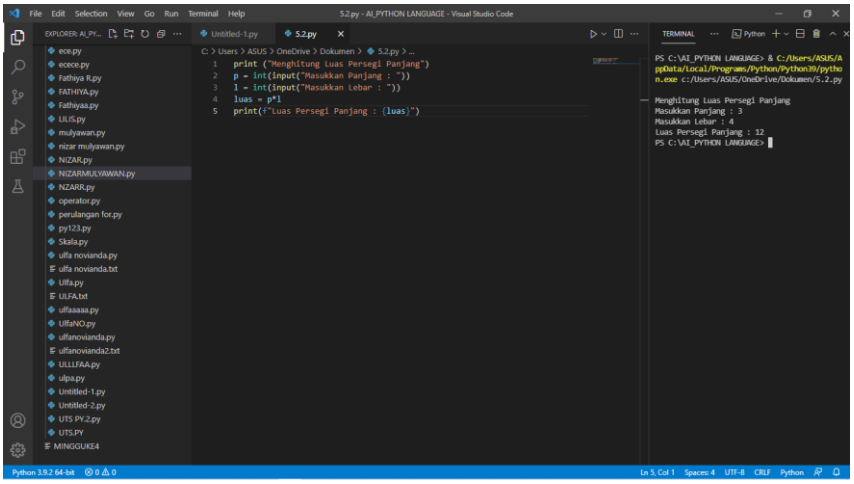
Nama : Ulfa Novianda
NIM : 20.01.013.042
Kelas : Kecerdasan Buatan (AI –3B)

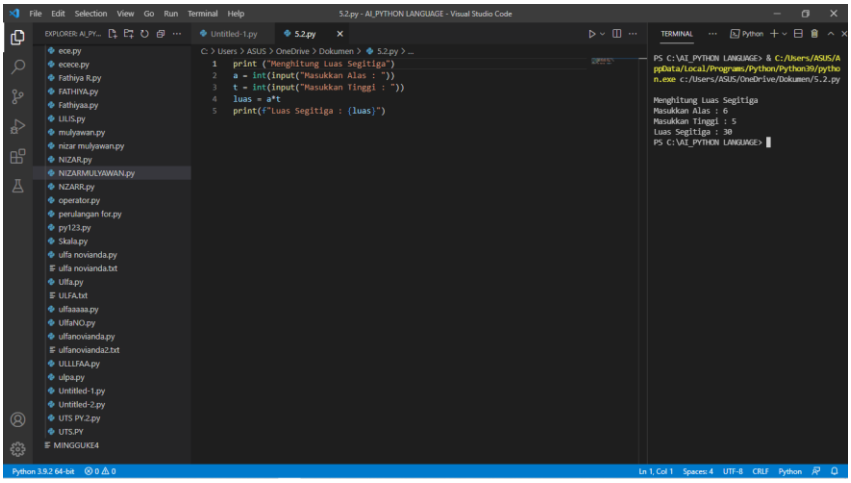
5. PYTHON-5 UAS

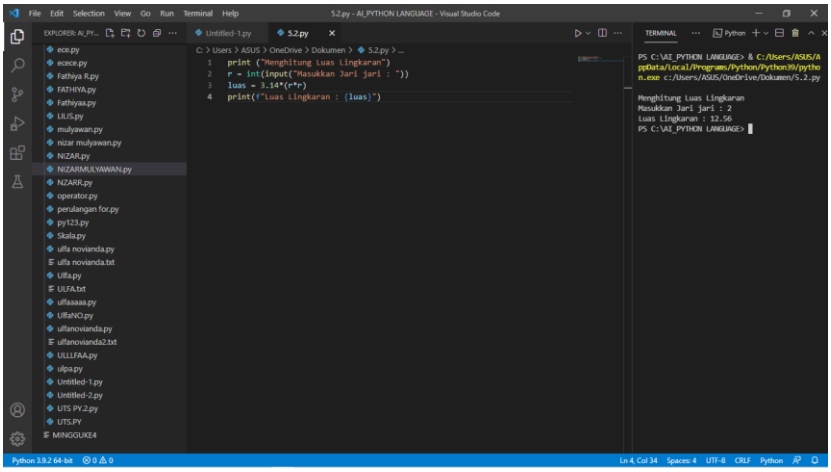
1.



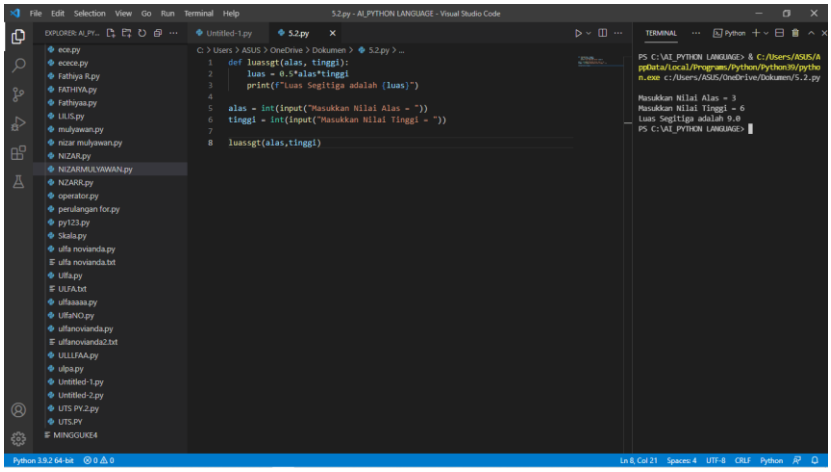
2.



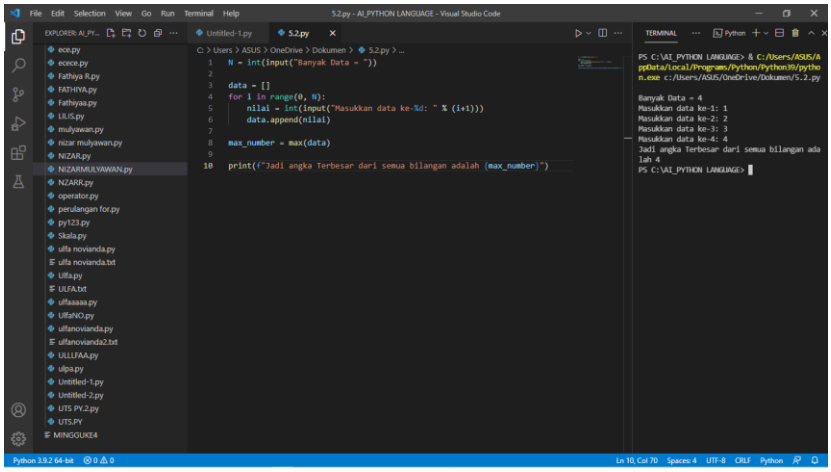



5.2.py - AI_PYTHON LANGUAGE - Visual Studio Code
print ("Menghitung Luas Lingkaran")
r = int(input("Masukkan Jari jari : "))
luas = 3.14*(r*r)
print(f"Luas Lingkaran : {luas}")
Menghitung Luas Lingkaran
Masukkan Jari jari : 2
Luas Lingkaran : 12.56

3.

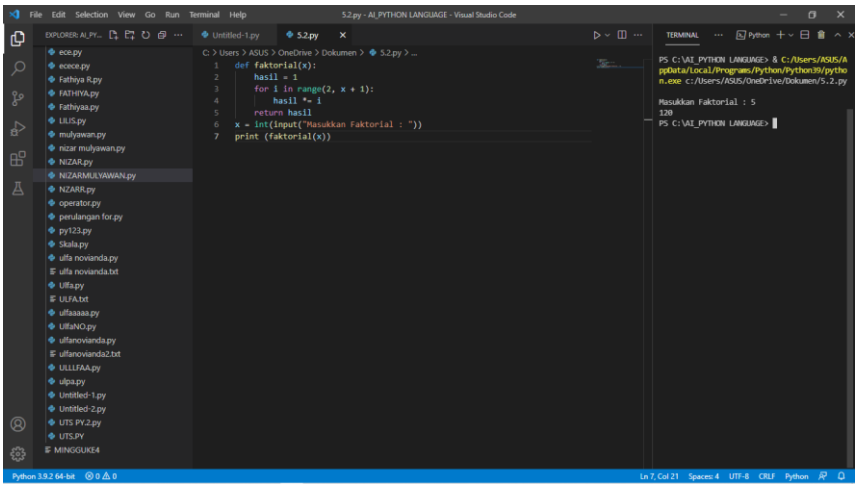

5.2.py - AI_PYTHON LANGUAGE - Visual Studio Code
def luassgt(alas, tinggi):
luas = 0.5*alas*tinggi
print(f"Luas Segitiga adalah {luas}")
alas = int(input("Masukkan Nilai Alas = "))
tinggi = int(input("Masukkan Nilai Tinggi = "))
luassgt(alas,tinggi)
Masukkan Nilai Alas = 3
Masukkan Nilai Tinggi = 6
Luas Segitiga adalah 9.0

4.


5.2.py - AI_PYTHON LANGUAGE - Visual Studio Code
N = int(input("Banyak Data = "))
data = []
for i in range(0, N):
nilai = int(input("Masukkan data ke-%d: " % (i+1)))
data.append(nilai)
max_number = max(data)
print(f"Jadi angka Terbesar dari semua bilangan adalah {max_number}")
Banyak Data = 4
Masukkan data ke-1: 1
Masukkan data ke-2: 2
Masukkan data ke-3: 3
Masukkan data ke-4: 4
Jadi angka Terbesar dari semua bilangan adalah 4

5.

6.

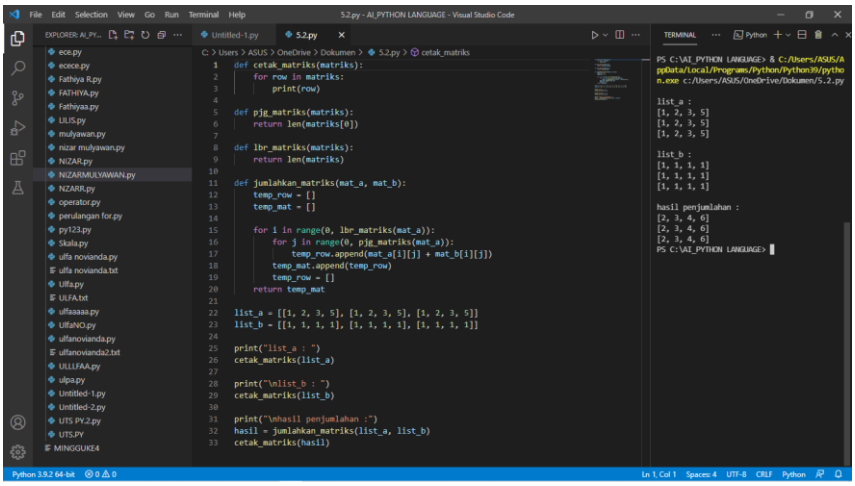


```
def faktorial(x):
    hasil = 1
    for i in range(2, x + 1):
        hasil *= i
    return hasil
x = int(input("Masukkan Faktorial : "))
print (faktorial(x))
```

```
PS C:\AI_PYTHON LANGUAGE> & C:/Users/ASUS/AppData/Local/Programs/Python/Python39/python.exe c:/Users/ASUS/OneDrive/Dokumen/5.2.py

Masukkan Faktorial : 5
120
PS C:\AI_PYTHON LANGUAGE>
```

7.



```
def cetak_matriks(matriks):
    for row in matriks:
        print(row)

def pjg_matriks(matriks):
    return len(matriks[0])

def lbr_matriks(matriks):
    return len(matriks)

def jumlahkan_matriks(mat_a, mat_b):
    temp_row = []
    temp_mat = []

    for i in range(0, lbr_matriks(mat_a)):
        for j in range(0, pjg_matriks(mat_a)):
            temp_row.append(mat_a[i][j] + mat_b[i][j])
        temp_mat.append(temp_row)
        temp_row = []
    return temp_mat

list_a = [[1, 2, 3, 5], [1, 2, 3, 5], [1, 2, 3, 5]]
list_b = [[1, 1, 1, 1], [1, 1, 1, 1], [1, 1, 1, 1]]

print("list_a : ")
cetak_matriks(list_a)

print("\nlist_b : ")
cetak_matriks(list_b)

print("\nhasil penjumlahan :")
hasil = jumlahkan_matriks(list_a, list_b)
cetak_matriks(hasil)
```

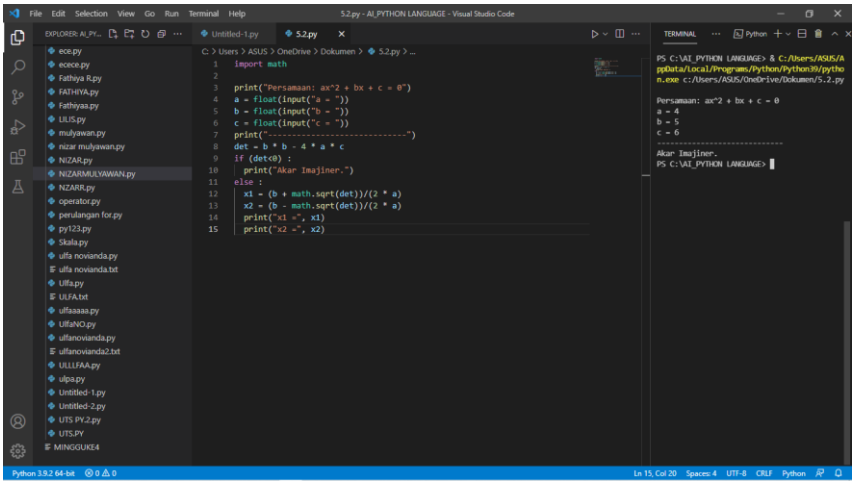
```
PS C:\AI_PYTHON LANGUAGE> & C:/Users/ASUS/AppData/Local/Programs/Python/Python39/python.exe c:/Users/ASUS/OneDrive/Dokumen/5.2.py

list_a :
[1, 2, 3, 5]
[1, 2, 3, 5]
[1, 2, 3, 5]

list_b :
[1, 1, 1, 1]
[1, 1, 1, 1]
[1, 1, 1, 1]

hasil penjumlahan :
[2, 3, 4, 6]
[2, 3, 4, 6]
[2, 3, 4, 6]
PS C:\AI_PYTHON LANGUAGE>
```

8



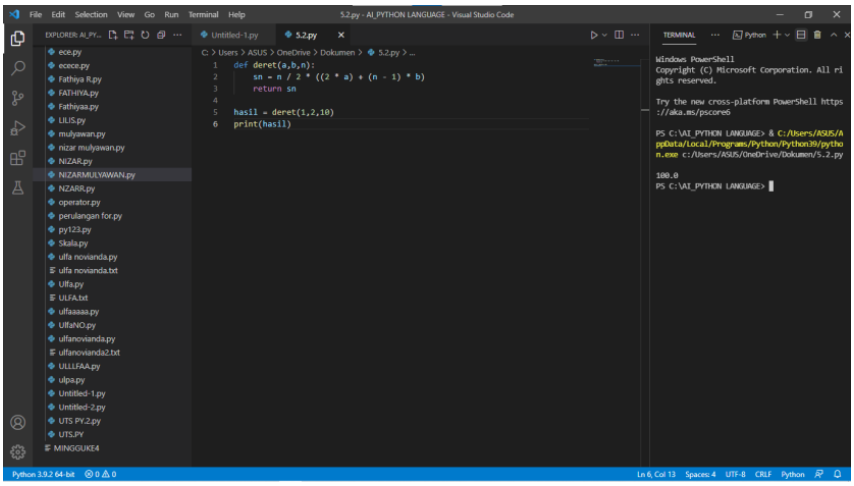
```
import math

print("Persamaan: ax^2 + bx + c = 0")
a = float(input("a = "))
b = float(input("b = "))
c = float(input("c = "))
print("----------------------------")
det = b * b - 4 * a * c
if (det<0) :
  print("Akar Imajiner.")
else :
  x1 = (b + math.sqrt(det))/(2 * a)
  x2 = (b - math.sqrt(det))/(2 * a)
  print("x1 =", x1)
  print("x2 =", x2)
```

```
PS C:\AI_PYTHON LANGUAGE> & C:/Users/ASUS/AppData/Local/Programs/Python/Python39/python.exe c:/Users/ASUS/OneDrive/Dokumen/5.2.py

Persamaan: ax^2 + bx + c = 0
a = 4
b = 5
c = 6
----------------------------
Akar Imajiner.
PS C:\AI_PYTHON LANGUAGE>
```

9


File Edit Selection View Go Run Terminal Help
5.2.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
NZARR.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
5.2.py
C: > Users > ASUS > OneDrive > Dokumen > 5.2.py > ...
def deret(a,b,n):
sn = n / 2 * ((2 * a) + (n - 1) * b)
return sn
hasil = deret(1,2,10)
print(hasil)
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/5.2.py
100.0
PS C:\AI_PYTHON LANGUAGE>
Python 3.9.2 64-bit
Ln 6, Col 13
Spaces: 4
UTF-8
CRLF
Python