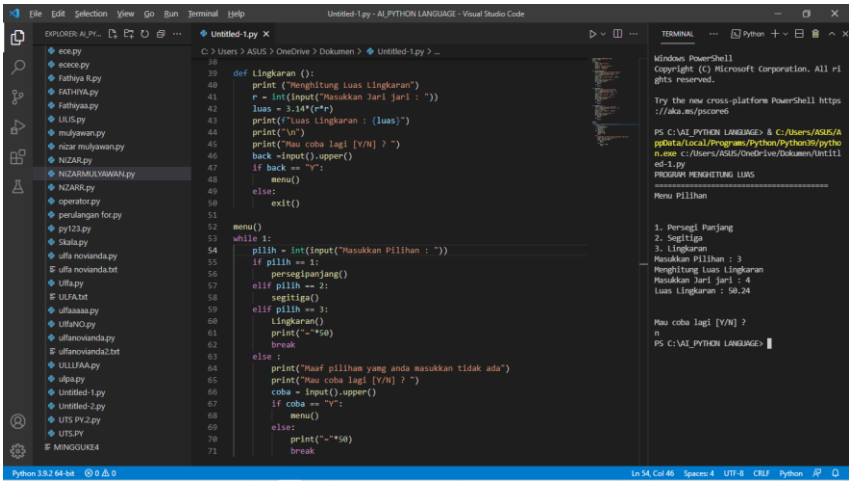
Nama : Muhammad Fiqar Ramadhan

NIM : 20.01.013.034

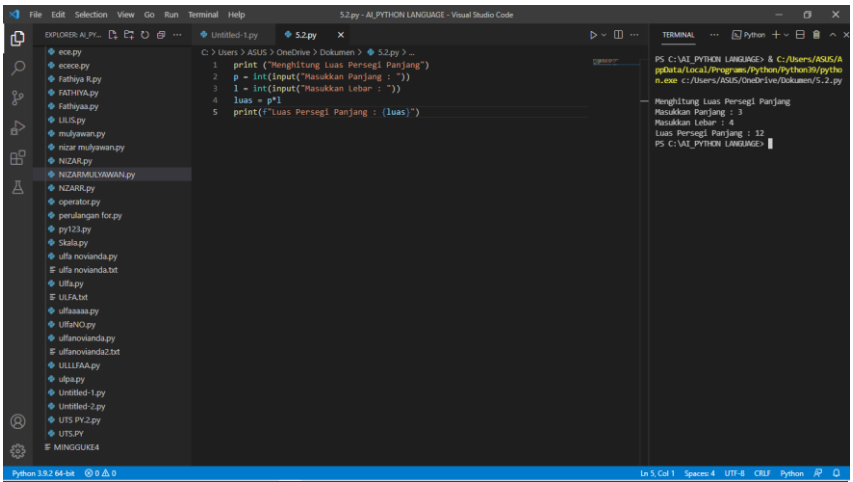
KELAS : AI –B

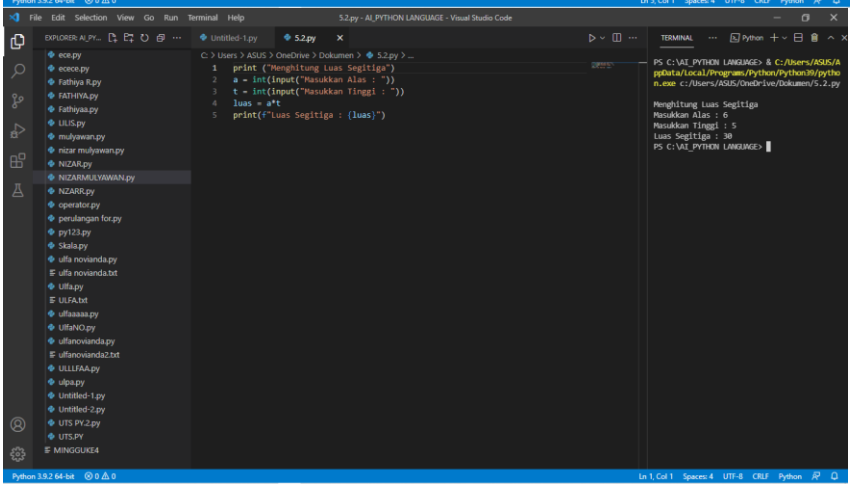
5. PYTHON-5 UAS

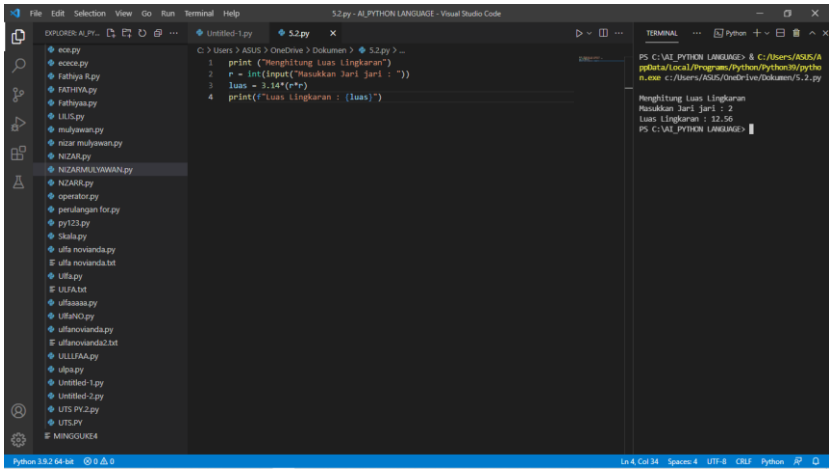
1.



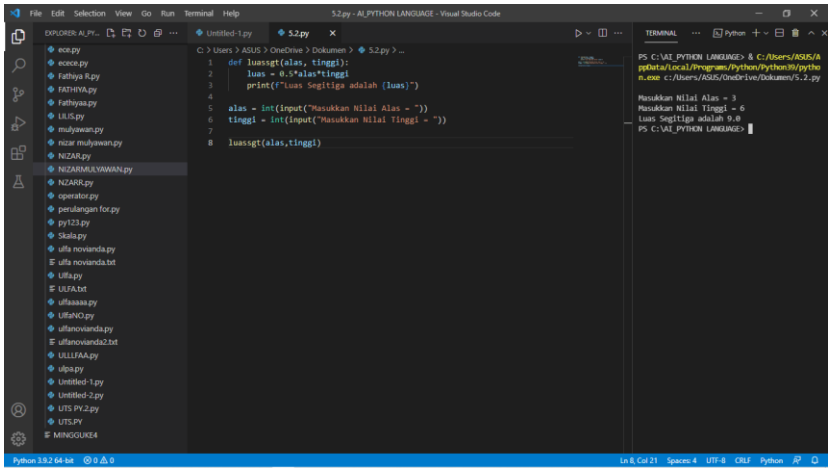
2.



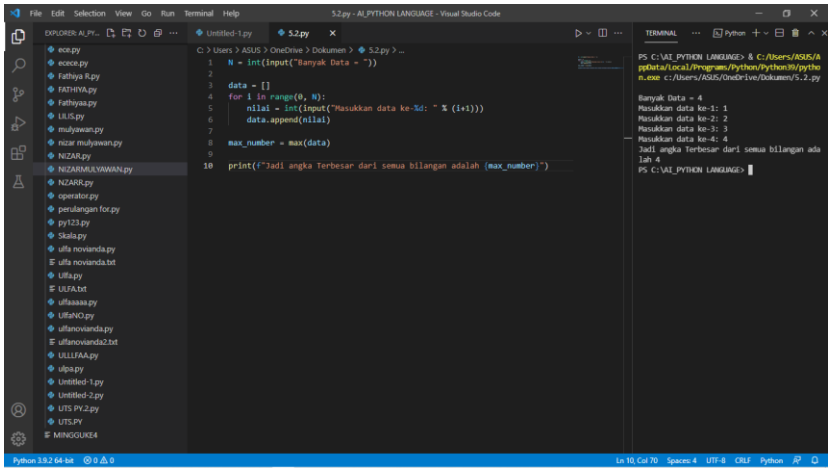



5.2.py - AI_PYTHON LANGUAGE - Visual Studio Code
print ("Menghitung Luas Lingkaran")
r = int(input("Masukkan Jari jari : "))
luas = 3.14*(r*r)
print(f"Luas Lingkaran : {luas}")
Menghitung Luas Lingkaran
Masukkan Jari jari : 2
Luas Lingkaran : 12.56

3.

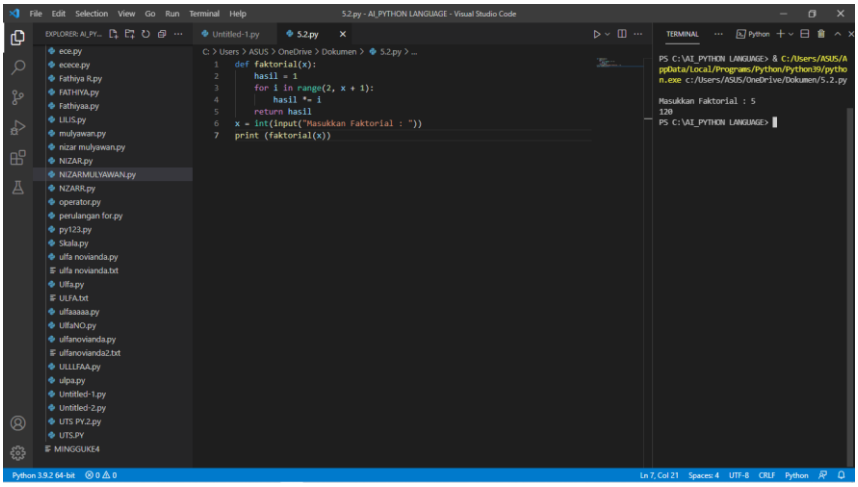

5.2.py - AI_PYTHON LANGUAGE - Visual Studio Code
def luassgt(alas, tinggi):
luas = 0.5*alas*tinggi
print(f"Luas Segitiga adalah {luas}")
alas = int(input("Masukkan Nilai Alas = "))
tinggi = int(input("Masukkan Nilai Tinggi = "))
luassgt(alas,tinggi)
Masukkan Nilai Alas = 3
Masukkan Nilai Tinggi = 6
Luas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

4.

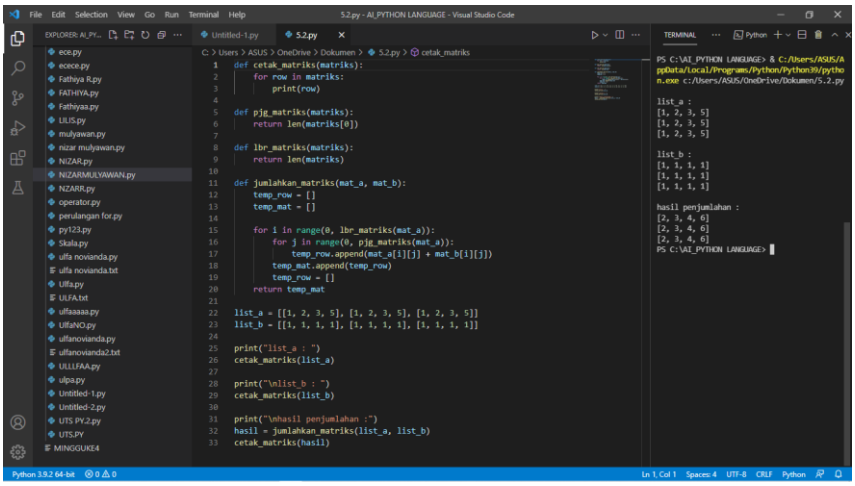

5.2.py - AI_PYTHON LANGUAGE - Visual Studio Code
N = int(input("Banyak Data = "))
data = []
for i in range(0, N):
nilai = int(input("Masukkan data ke-%d: " % (i+1)))
data.append(nilai)
max_number = max(data)
print(f"Jadi angka Terbesar dari semua bilangan adalah {max_number}")
Banyak Data = 4
Masukkan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

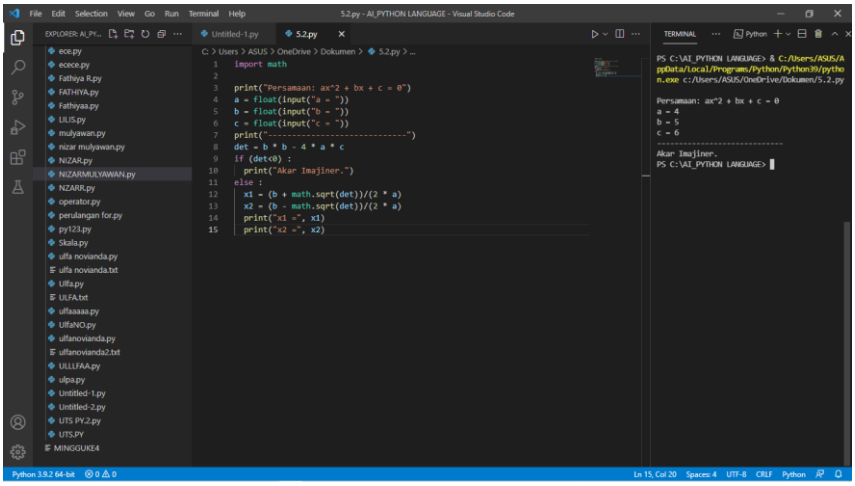
6.


5.2.py - AI_PYTHON LANGUAGE - Visual Studio Code
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.


5.2.py - AI_PYTHON LANGUAGE - Visual Studio Code
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.


5.2.py - AI_PYTHON LANGUAGE - Visual Studio Code
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>