Nama : Andini Wulandari

NIM : 20.01.013.020

Kelas : Teknik Informatika B

MK : Kecerdasan Buatan

PRAKTIKUM INDIVIDU V

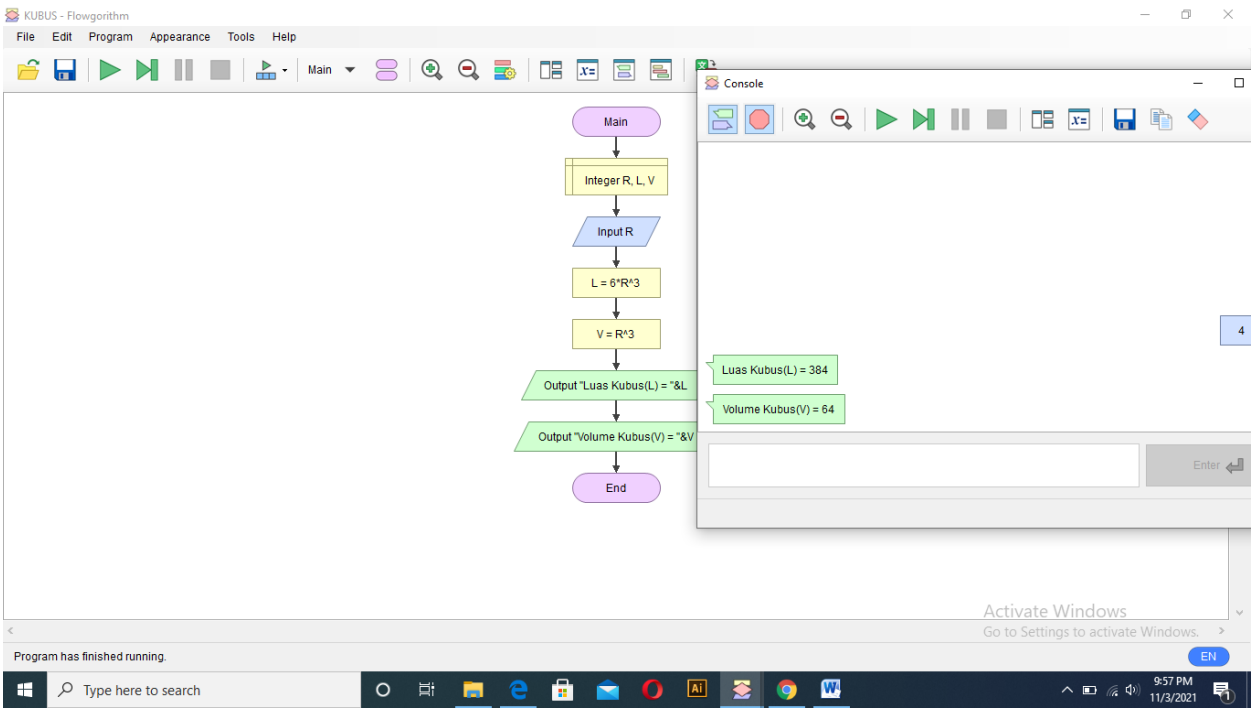
Berdasarkan dari gambar rumus Luas dan Keliling Bangunan datar di atas:

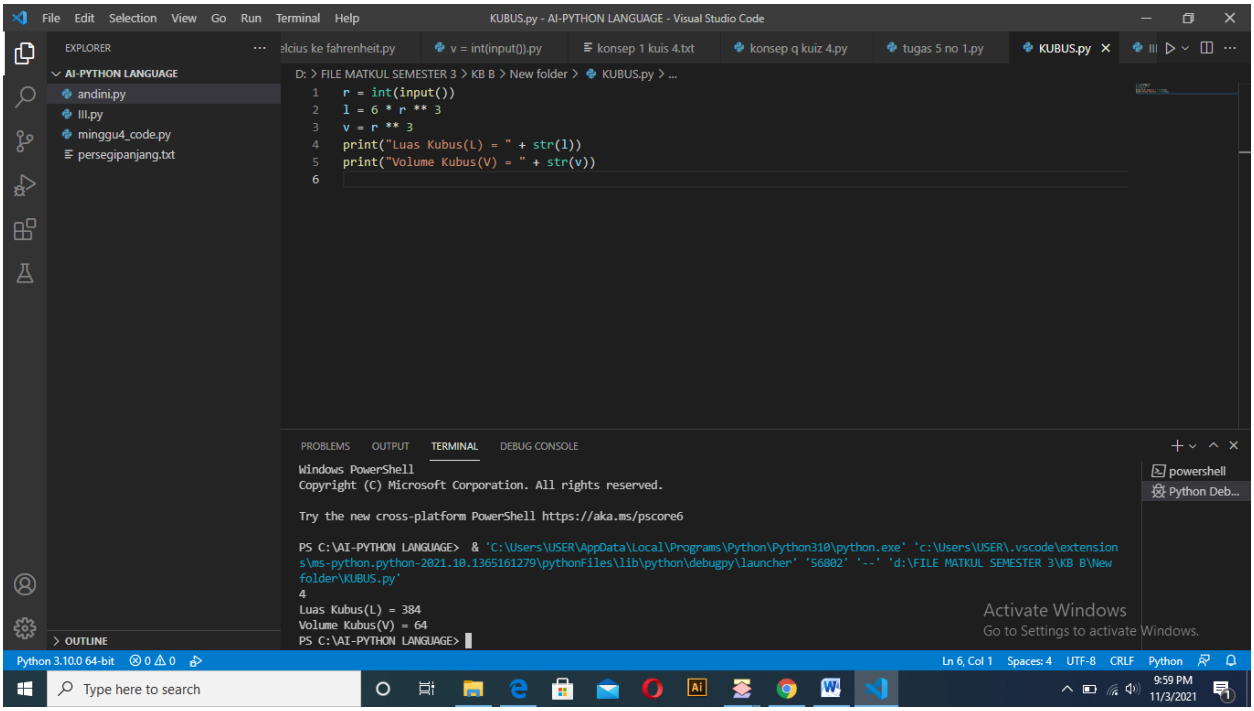
1. Buatlah flowchart dengan menggunakan flowgorithm berdasarkan Setiap rumus Luas dan Keliling Bangunan datar, Jalankan sesuai dengan inputan kalian sampai menemukan hasil.

2. Kemudian ketik ulang SC pada flowgorithm ke Vs- code, Jalakan sampai menemukan Hasil.

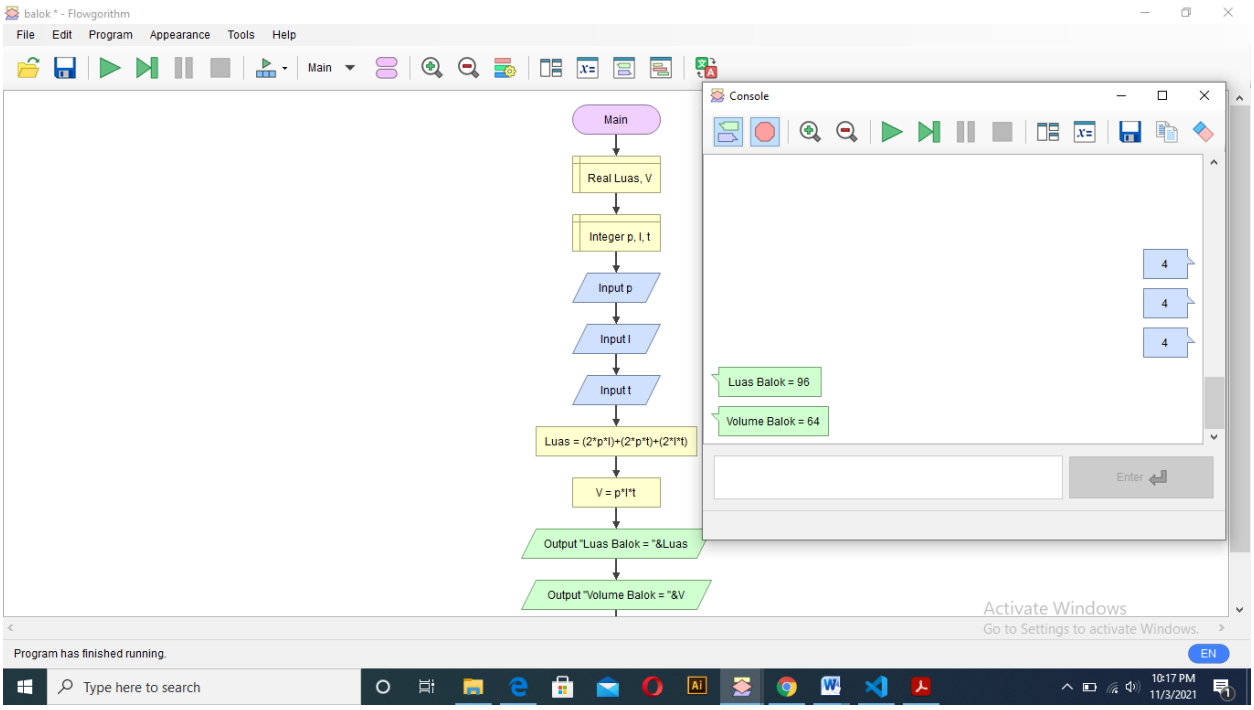
Jawab :

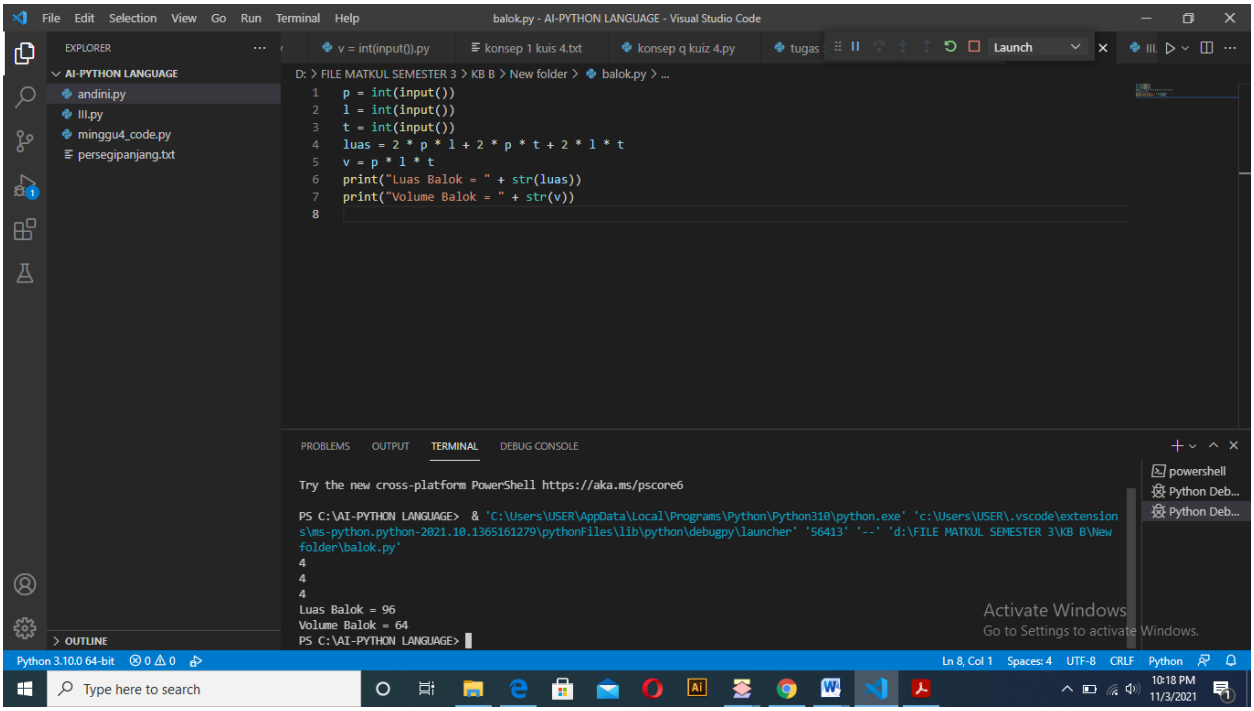
1. **KUBUS**



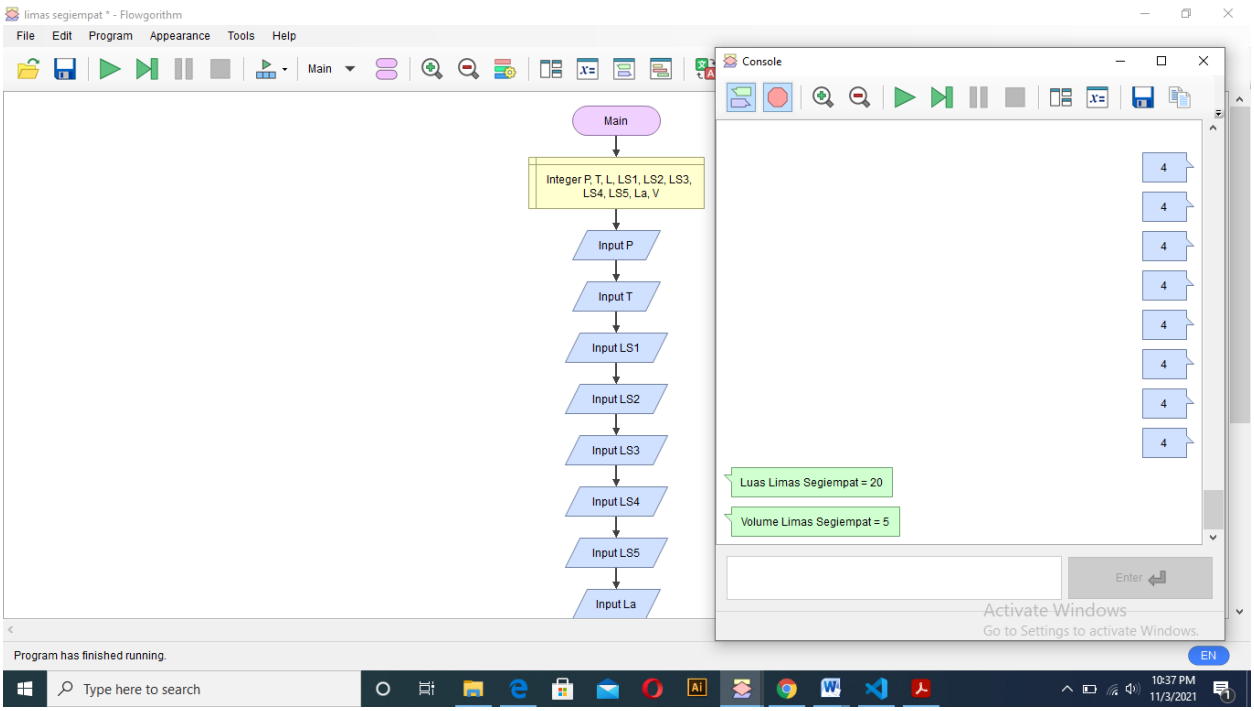

File Edit Selection View Go Run Terminal Help
KUBUS.py - AI-PYTHON LANGUAGE - Visual Studio Code
EXPLORER
AI-PYTHON LANGUAGE
andini.py
III.py
minggu4_code.py
persegipanjang.txt
D: > FILE MATKUL SEMESTER 3 > KB B > New folder > KUBUS.py > ...
1 r = int(input())
2 l = 6 * r ** 3
3 v = r ** 3
4 print("Luas Kubus(L) = " + str(l))
5 print("Volume Kubus(V) = " + str(v))
6
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
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\USER\AppData\Local\Programs\Python\Python310\python.exe' 'c:\Users\USER\.vscode\extensions\ms-python.python-2021.10.1365161279\pythonFiles\lib\python\debugpy\launcher' '56802' '--' 'd:\FILE MATKUL SEMESTER 3\KB B\New folder\KUBUS.py'
4
Luas Kubus(L) = 384
Volume Kubus(V) = 64
PS C:\AI-PYTHON LANGUAGE>
Activate Windows
Go to Settings to activate Windows.
Python 3.10.0 64-bit
Ln 6, Col 1 Spaces: 4 UTF-8 CRLF Python
Type here to search
9:59 PM
11/3/2021

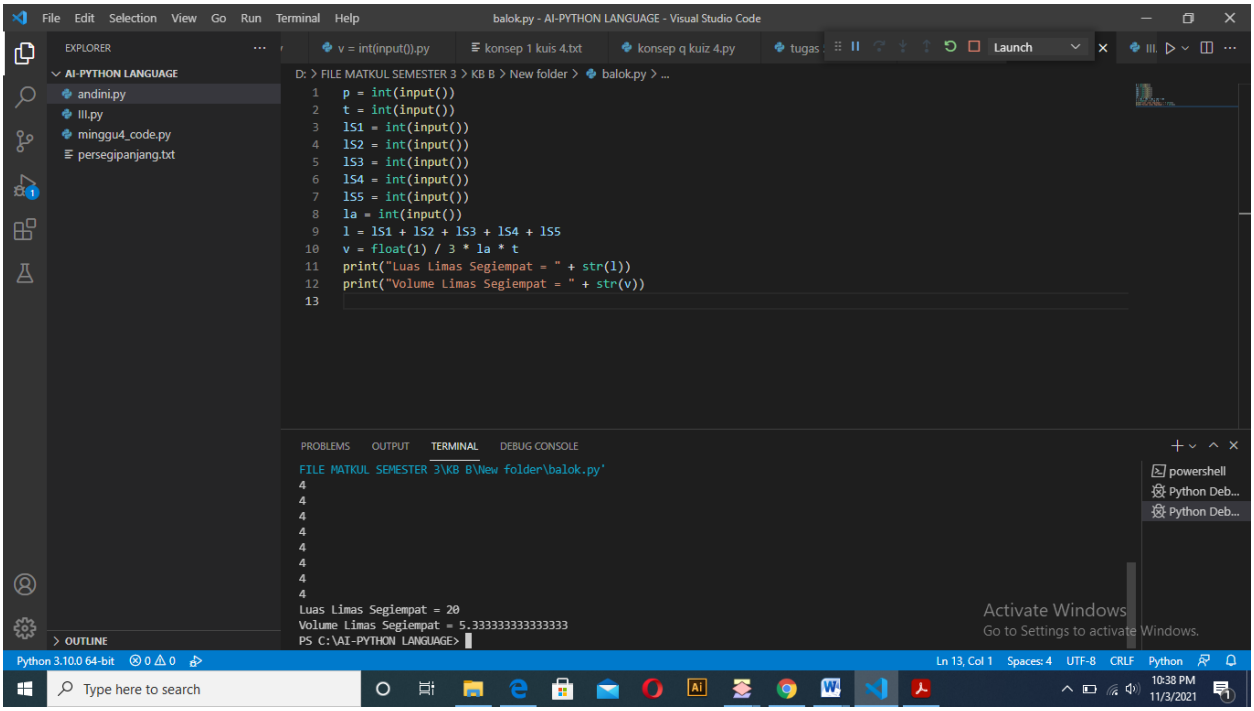
2. BALOK


balok * - Flowgorithm
File Edit Program Appearance Tools Help
Main
Main
Real Luas, V
Integer p, l, t
Input p
Input l
Input t
Luas = (2*p*l)+(2*p*t)+(2*l*t)
V = p*l*t
Output "Luas Balok = "&Luas
Output "Volume Balok = "&V
Console
4
4
4
Luas Balok = 96
Volume Balok = 64
Enter
Activate Windows
Go to Settings to activate Windows.
Program has finished running.
EN
Type here to search
10:17 PM
11/3/2021

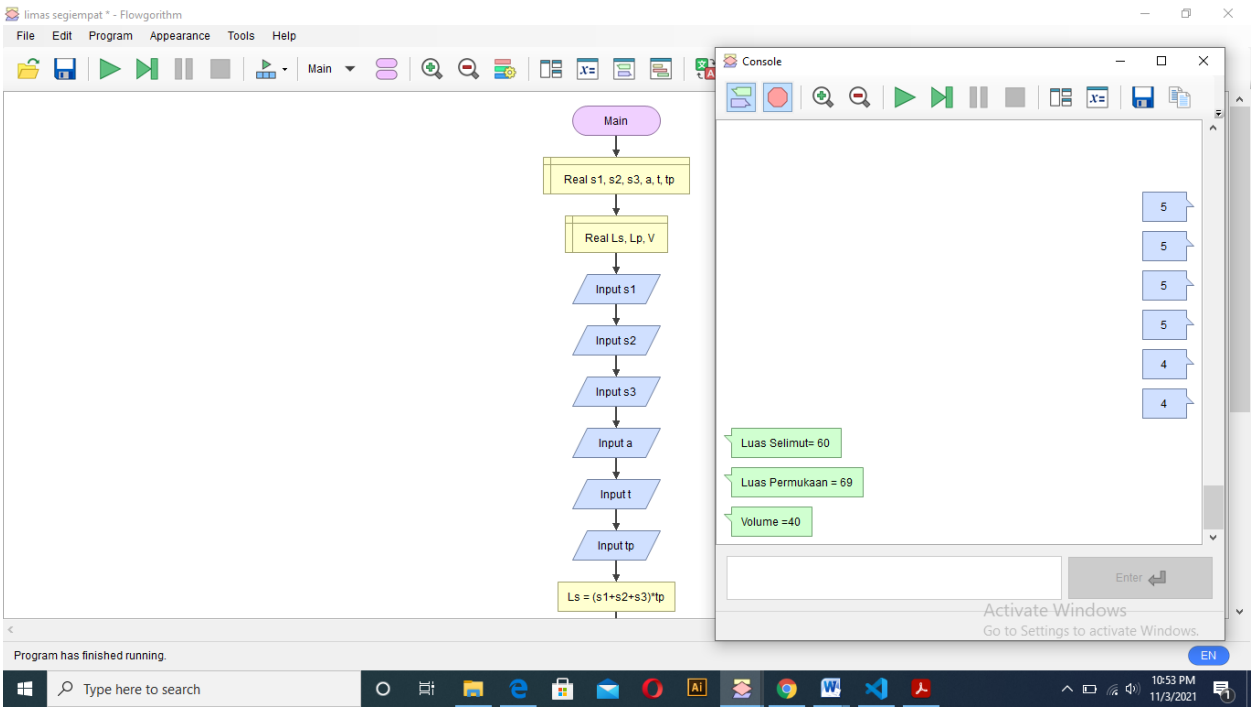


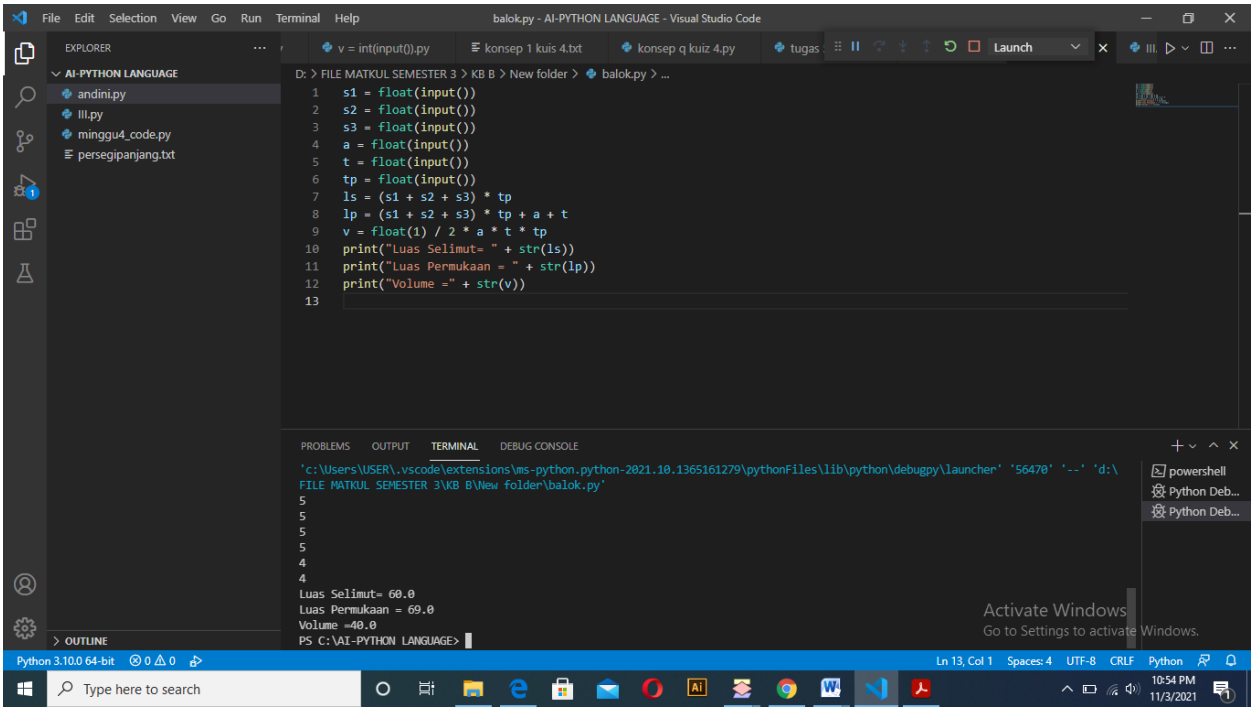
3. LIMAS SEGIEMPAT



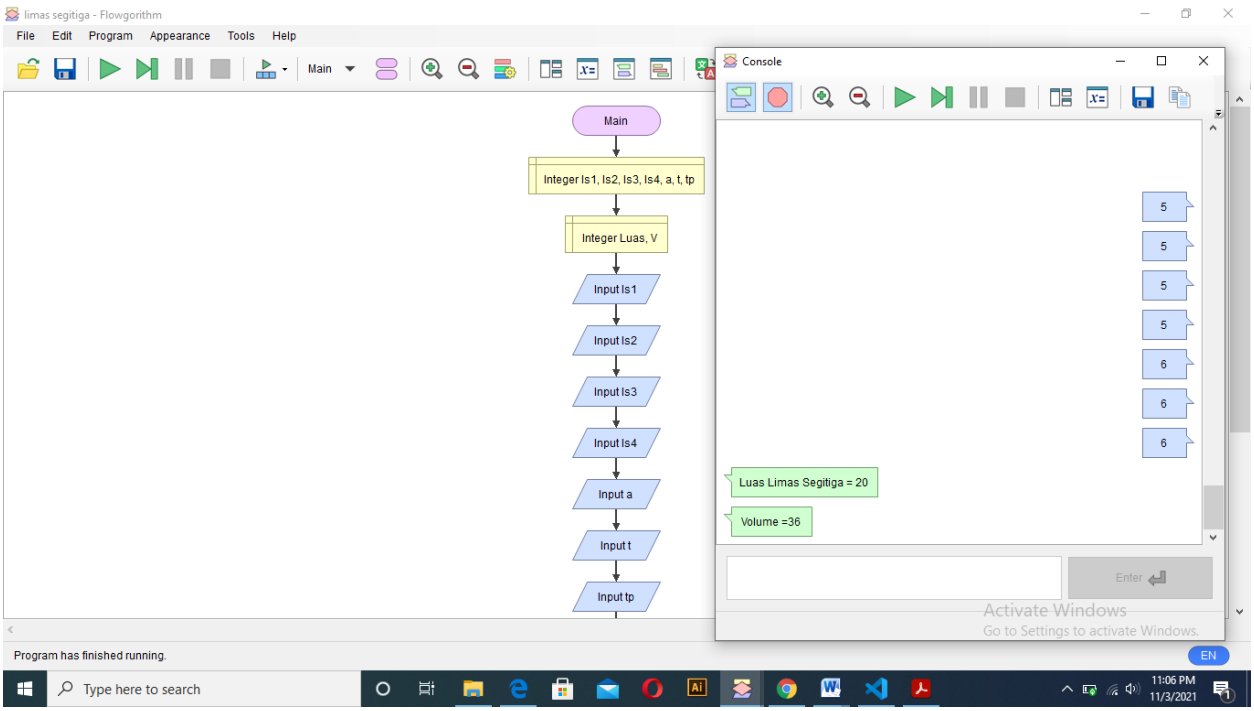


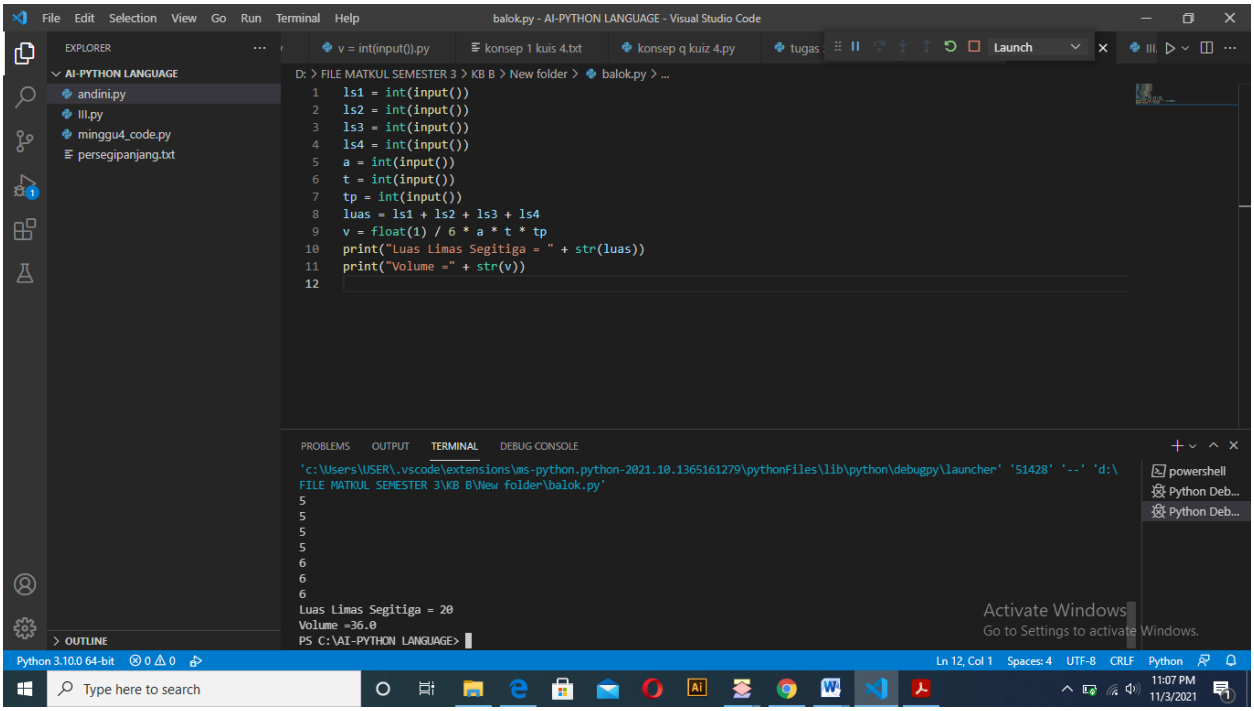
4. PRISMA SEGITIGA



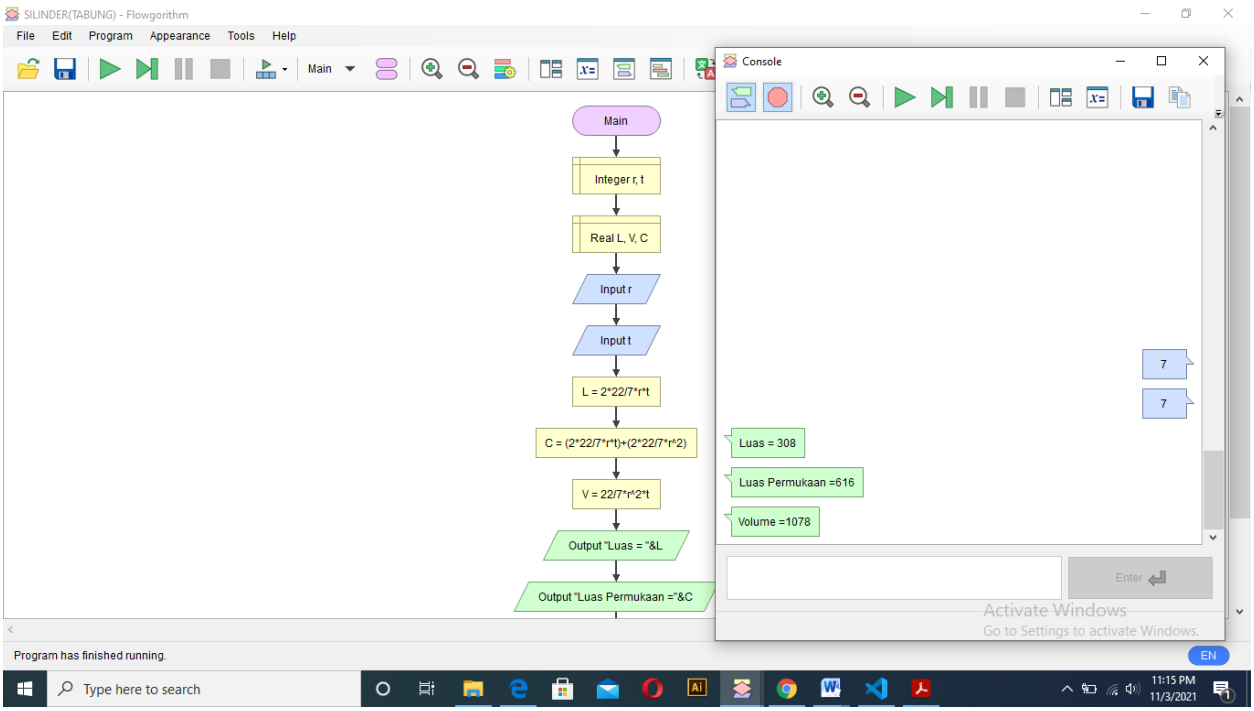


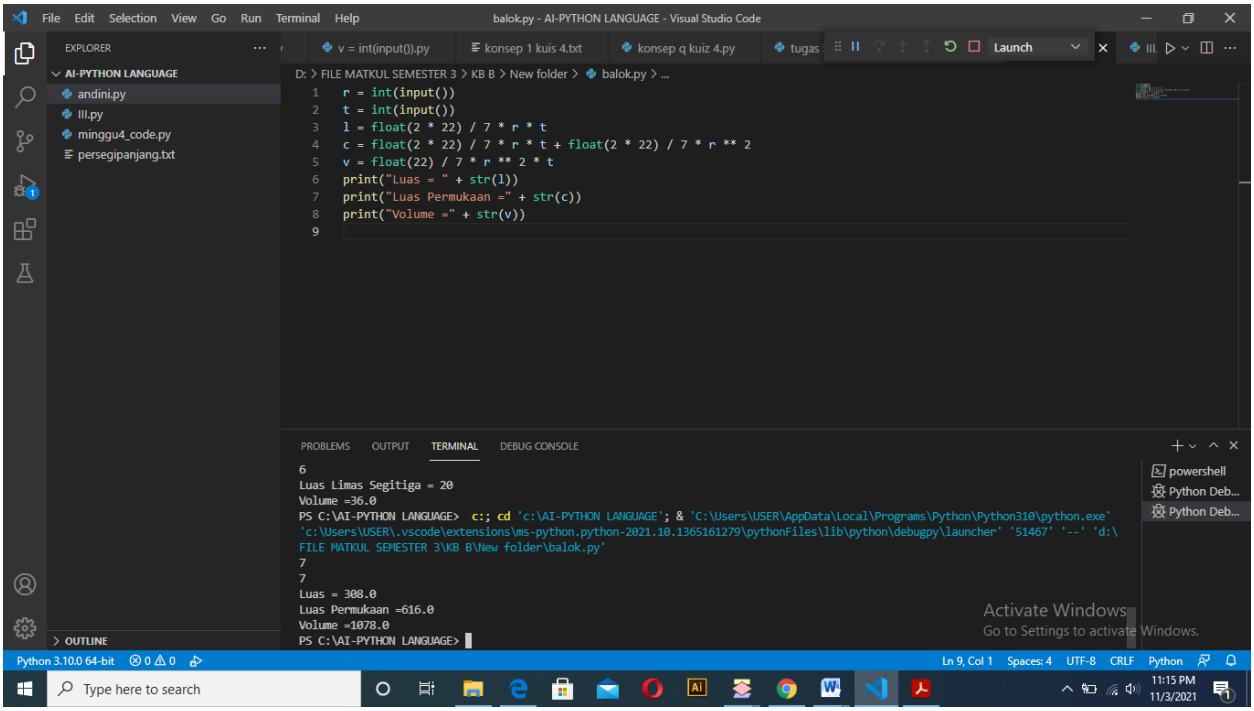
5. LIMAS SEGITIGA



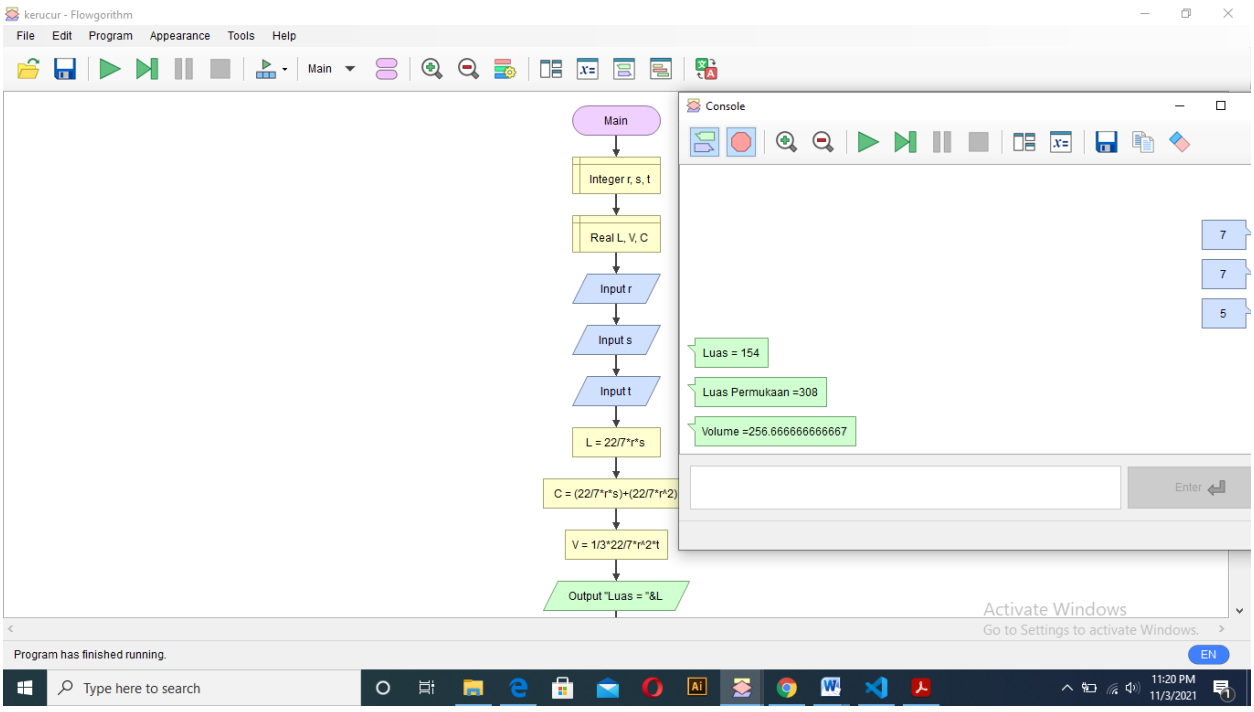


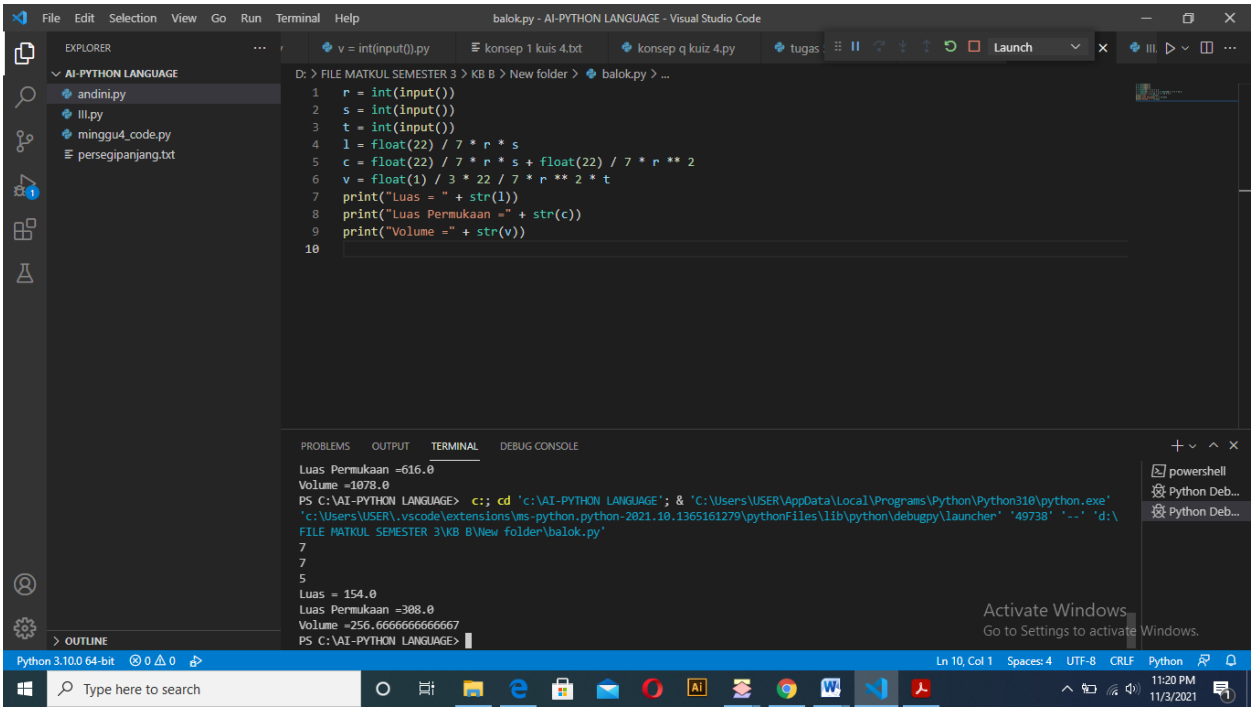
6. SELINDER(TABUNG)



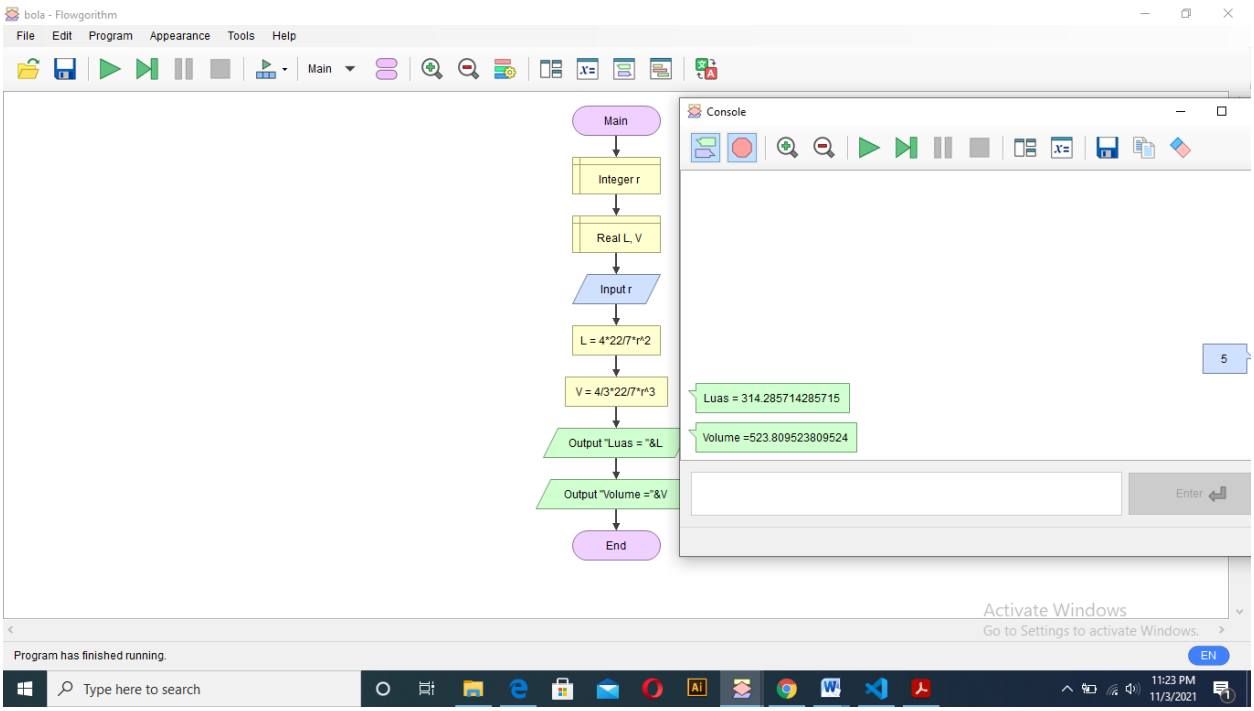

balok.py - AI-PYTHON LANGUAGE - Visual Studio Code
AI-PYTHON LANGUAGE
andini.py
III.py
minggu4_code.py
persegipanjang.txt
r = int(input())
t = int(input())
l = float(2 * 22) / 7 * r * t
c = float(2 * 22) / 7 * r * t + float(2 * 22) / 7 * r ** 2
v = float(22) / 7 * r ** 2 * t
print("Luas = " + str(l))
print("Luas Permukaan =" + str(c))
print("Volume =" + str(v))
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
6
Luas Limas Segitiga = 20
Volume =36.0
PS C:\AI-PYTHON LANGUAGE> c:; cd 'c:\AI-PYTHON LANGUAGE'; & 'C:\Users\USER\AppData\Local\Programs\Python\Python310\python.exe'
'c:\Users\USER\.vscode\extensions\ms-python.python-2021.10.1365161279\pythonFiles\lib\python\debugpy\launcher' '51467' '--' 'd:\
FILE MATKUL SEMESTER 3\KB B\New folder\balok.py'
7
7
Luas = 308.0
Luas Permukaan =616.0
Volume =1078.0
PS C:\AI-PYTHON LANGUAGE>
Activate Windows
Go to Settings to activate Windows.
Type here to search
11:15 PM
11/3/2021

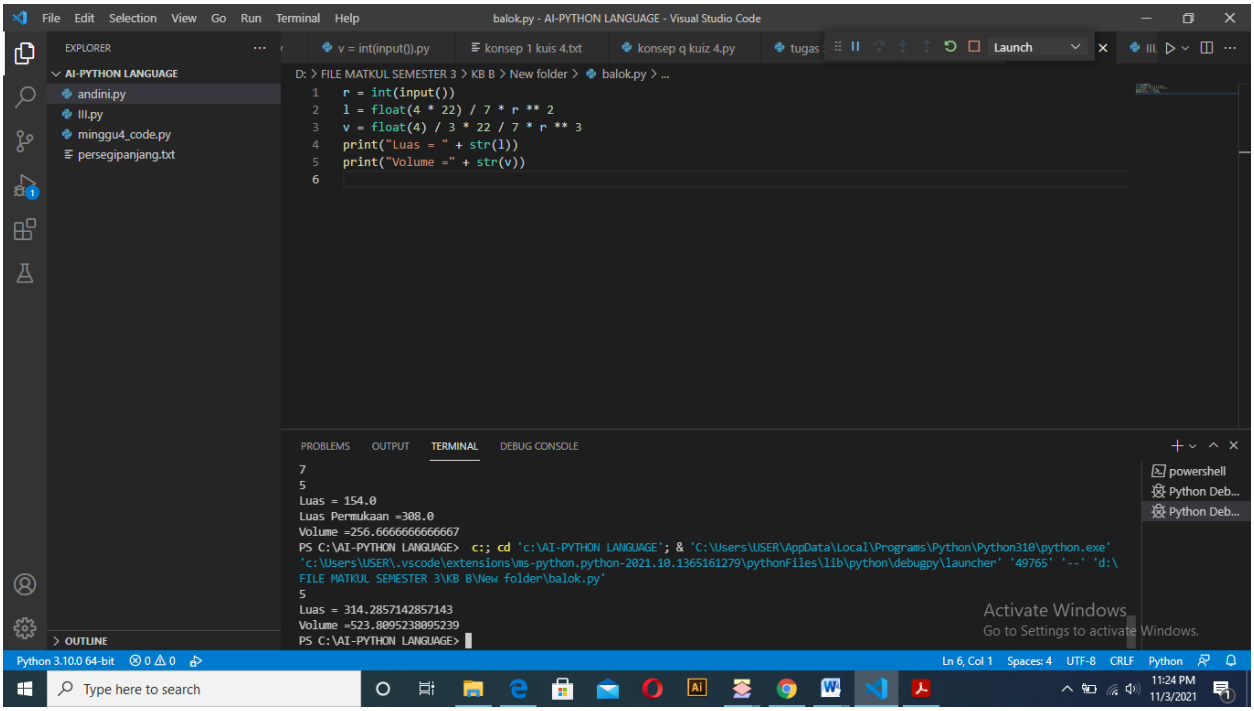
7. KERUCUT


kerucur - Flowgorithm
Main
Integer r, s, t
Real L, V, C
Input r
Input s
Input t
L = 22/7*r*s
C = (22/7*r*s)+(22/7*r^2)
V = 1/3*22/7*r^2*t
Output "Luas = "&L
Console
7
7
5
Luas = 154
Luas Permukaan =308
Volume =256.666666666667
Enter
Program has finished running.
Activate Windows
Go to Settings to activate Windows.
Type here to search
11:20 PM
11/3/2021


balok.py - AI-PYTHON LANGUAGE - Visual Studio Code
EXPLORER
AI-PYTHON LANGUAGE
andini.py
III.py
minggu4_code.py
persegipanjang.txt
D: > FILE MATKUL SEMESTER 3 > KB B > New folder > balok.py > ...
r = int(input())
s = int(input())
t = int(input())
l = float(22) / 7 * r * s
c = float(22) / 7 * r * s + float(22) / 7 * r ** 2
v = float(1) / 3 * 22 / 7 * r ** 2 * t
print("Luas = " + str(l))
print("Luas Permukaan =" + str(c))
print("Volume =" + str(v))
PROBLEMS
OUTPUT
TERMINAL
DEBUG CONSOLE
Luas Permukaan =616.0
Volume =1078.0
PS C:\AI-PYTHON LANGUAGE> c:; cd 'c:\AI-PYTHON LANGUAGE'; & 'C:\Users\USER\AppData\Local\Programs\Python\Python310\python.exe'
'c:\Users\USER\.vscode\extensions\ms-python.python-2021.10.1365161279\pythonFiles\lib\python\debugpy\launcher' '49738' '--' 'd:\
FILE MATKUL SEMESTER 3\KB B\New folder\balok.py'
7
7
5
Luas = 154.0
Luas Permukaan =308.0
Volume =256.6666666666667
PS C:\AI-PYTHON LANGUAGE>
Activate Windows
Go to Settings to activate Windows.
Python 3.10.0 64-bit
Ln 10, Col 1
Spaces: 4
UTF-8
CRLF
Python
Type here to search
11:20 PM
11/3/2021

8. BOLA


bola - Flowgorithm
File
Edit
Program
Appearance
Tools
Help
Main
Integer r
Real L, V
Input r
L = 4*22/7*r^2
V = 4/3*22/7*r^3
Output "Luas = "&L
Output "Volume ="&V
End
Console
5
Luas = 314.285714285715
Volume =523.809523809524
Enter
Activate Windows
Go to Settings to activate Windows.
Program has finished running.
EN
Type here to search
11:23 PM
11/3/2021


File Edit Selection View Go Run Terminal Help
balok.py - AI-PYTHON LANGUAGE - Visual Studio Code
EXPLORER
AI-PYTHON LANGUAGE
andini.py
III.py
minggu4_code.py
persegipanjang.txt
v = int(input()).py
konsep 1 kuis 4.txt
konsep q kuiz 4.py
tugas
Launch
D: > FILE MATKUL SEMESTER 3 > KB B > New folder > balok.py > ...
r = int(input())
l = float(4 * 22) / 7 * r ** 2
v = float(4) / 3 * 22 / 7 * r ** 3
print("Luas = " + str(l))
print("Volume =" + str(v))
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
7
5
Luas = 154.0
Luas Permukaan =308.0
Volume =256.6666666666667
PS C:\AI-PYTHON LANGUAGE> c:; cd 'c:\AI-PYTHON LANGUAGE'; & 'C:\Users\USER\AppData\Local\Programs\Python\Python310\python.exe'
'c:\Users\USER\.vscode\extensions\ms-python.python-2021.10.1365161279\pythonFiles\lib\python\debugpy\launcher' '49765' '--' 'd:\
FILE MATKUL SEMESTER 3\KB B\New folder\balok.py'
5
Luas = 314.2857142857143
Volume =523.8095238095239
PS C:\AI-PYTHON LANGUAGE>
powershell
Python Deb...
Python Deb...
Activate Windows
Go to Settings to activate Windows.
OUTLINE
Python 3.10.0 64-bit
Ln 6, Col 1 Spaces: 4 UTF-8 CRLF Python
Type here to search
11:24 PM
11/3/2021