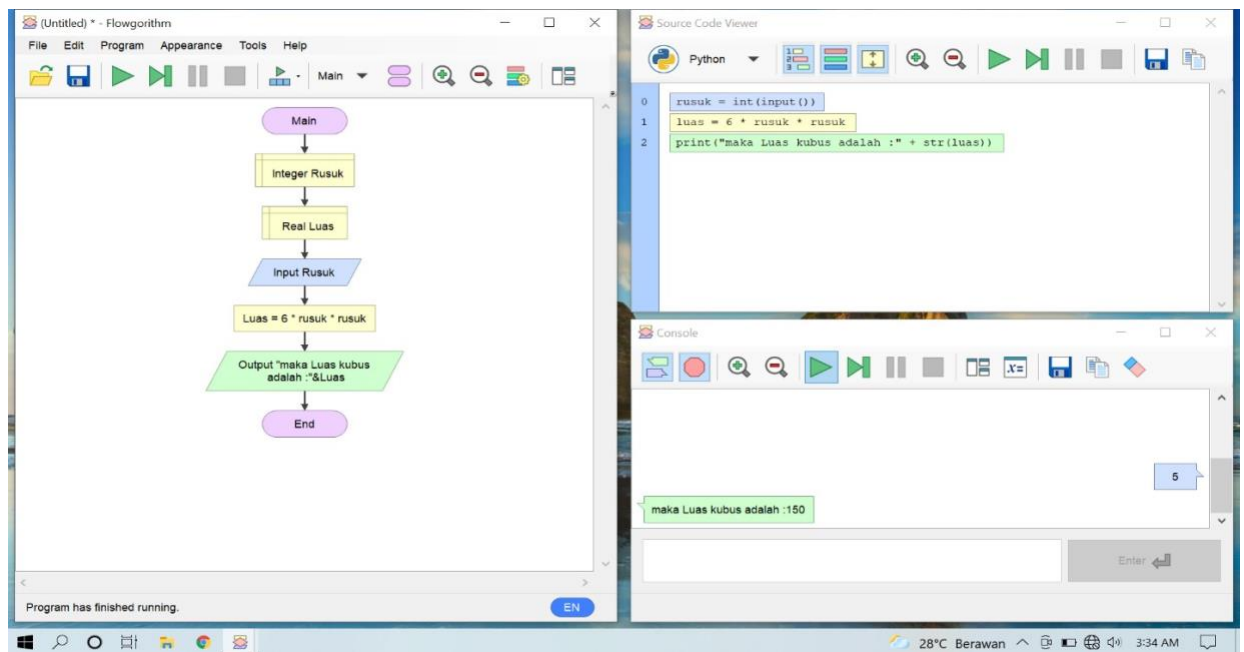
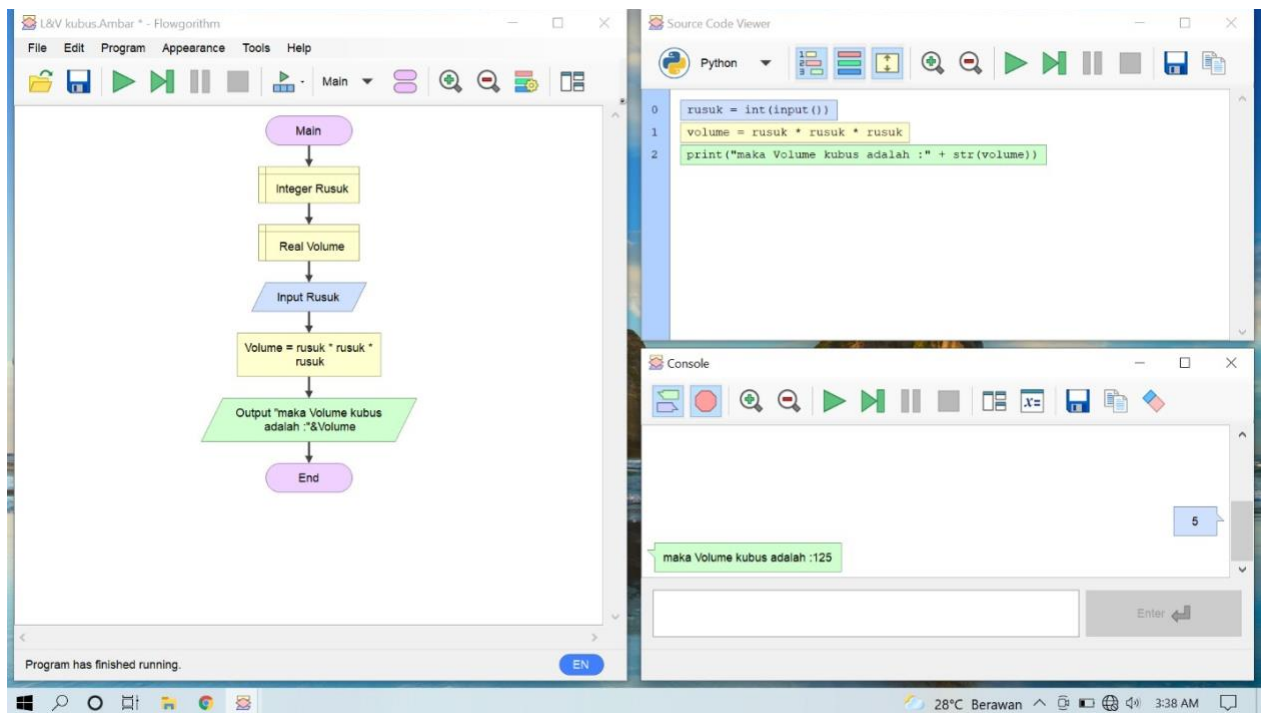


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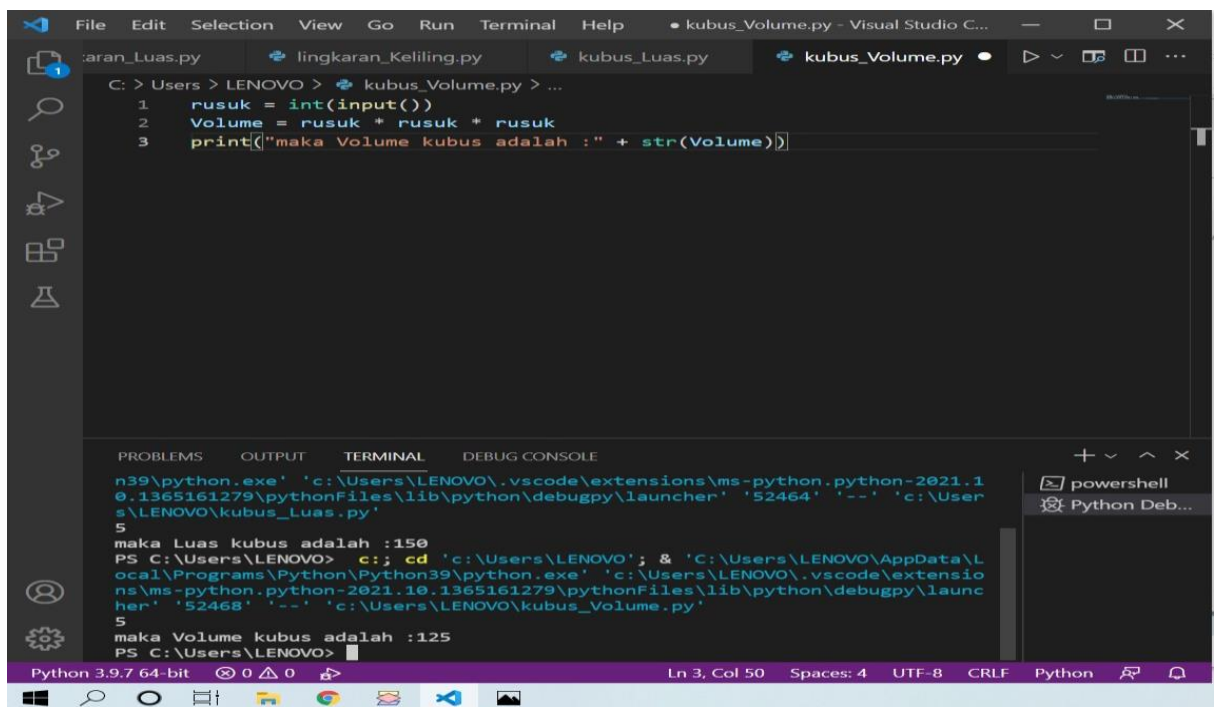
# 1. Kubus

Buat flowchart kemudian masukkan inputannya kemudian “Run” seperti gambar dibawah ini



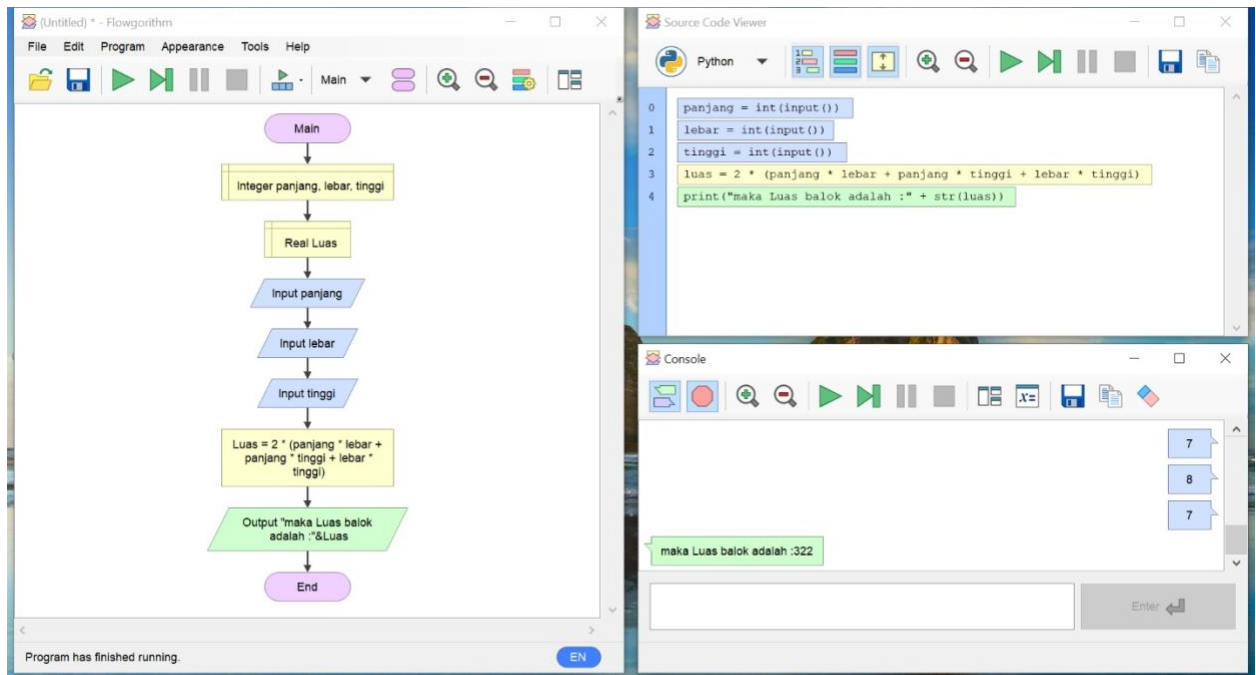


## VS-Code



## 2. Balok

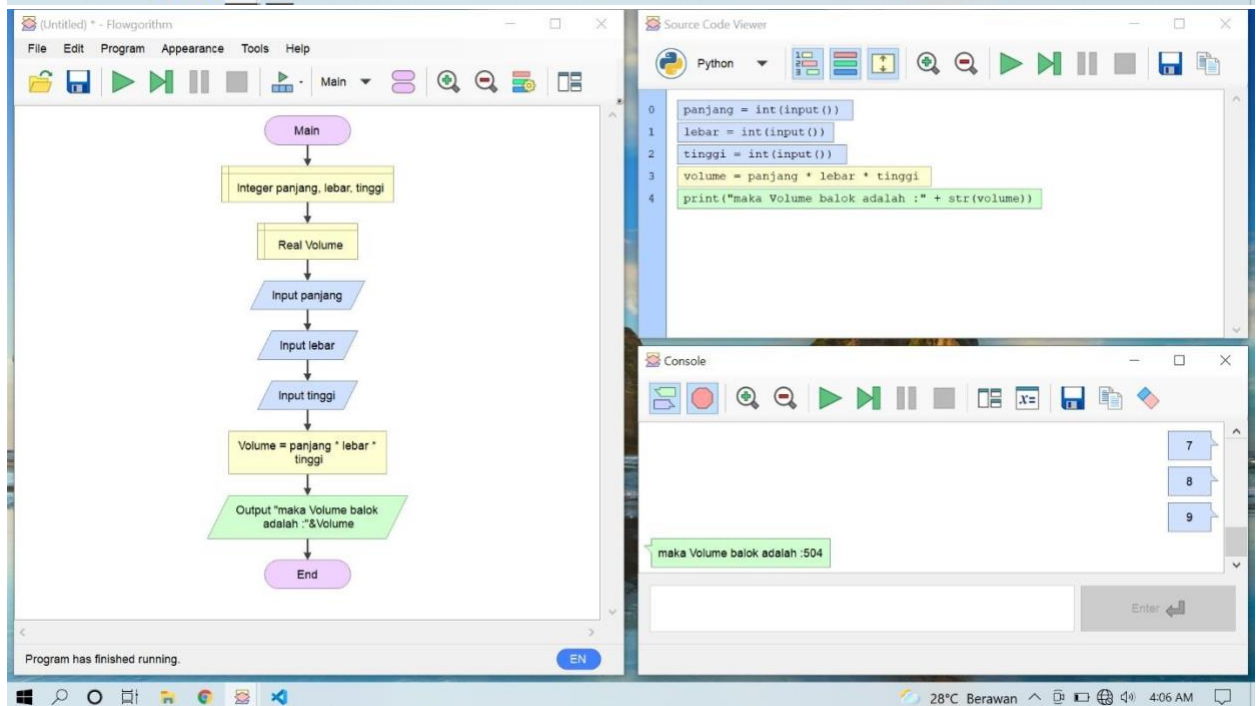
Buat flowchart masukkan inputannya kemudian “Run” seperti gambar dibawah ini



The top screenshot shows a Flowgorithm program for calculating the surface area of a rectangular prism (Balok). The flowchart starts with a 'Main' terminal, followed by a process box 'Integer panjang, lebar, tinggi'. It then enters a loop labeled 'Real Luas'. Inside the loop, there are three input boxes: 'Input panjang', 'Input lebar', and 'Input tinggi'. These are followed by a process box with the formula  $Luas = 2 * (panjang * lebar + panjang * tinggi + lebar * tinggi)$ . The loop ends with an output box 'Output "maka Luas balok adalah :"&Luas' and an 'End' terminal. The Source Code Viewer shows the corresponding Python code:

```
0 panjang = int(input())
1 lebar = int(input())
2 tinggi = int(input())
3 luas = 2 * (panjang * lebar + panjang * tinggi + lebar * tinggi)
4 print("maka Luas balok adalah :"+ str(luas))
```

The Console window shows the input values 7, 8, and 7, and the output: 'maka Luas balok adalah :322'.

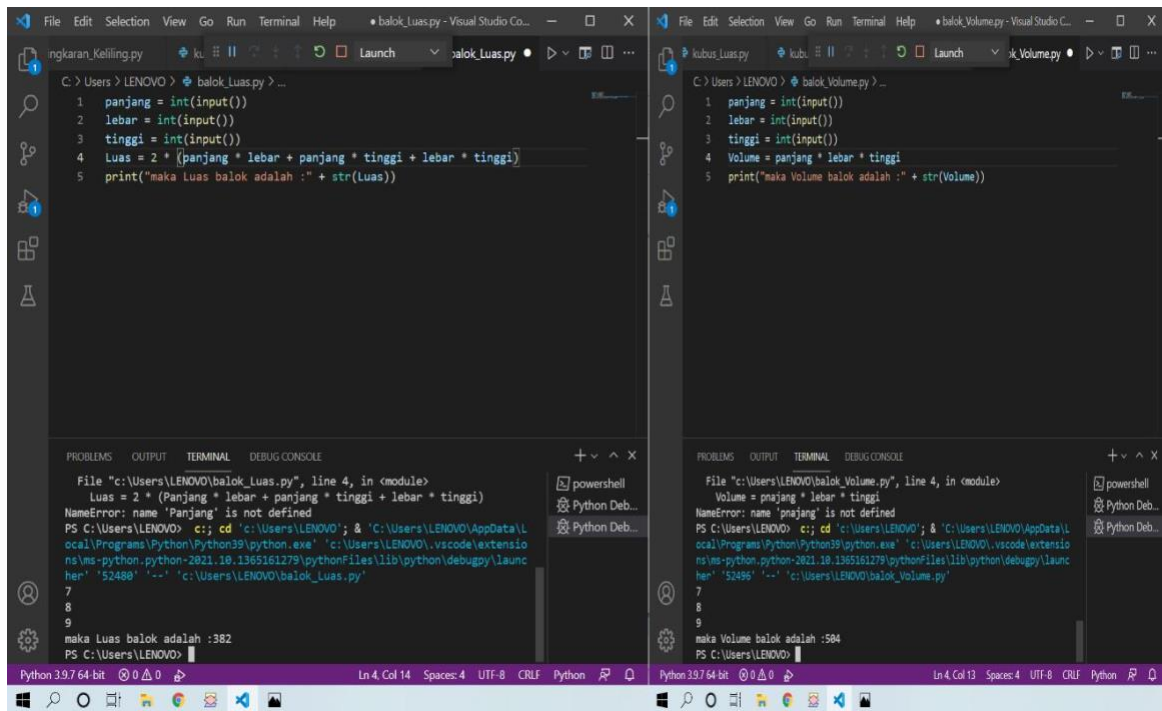


The bottom screenshot shows a Flowgorithm program for calculating the volume of a rectangular prism (Balok). The flowchart starts with a 'Main' terminal, followed by a process box 'Integer panjang, lebar, tinggi'. It then enters a loop labeled 'Real Volume'. Inside the loop, there are three input boxes: 'Input panjang', 'Input lebar', and 'Input tinggi'. These are followed by a process box with the formula  $Volume = panjang * lebar * tinggi$ . The loop ends with an output box 'Output "maka Volume balok adalah :"&Volume' and an 'End' terminal. The Source Code Viewer shows the corresponding Python code:

```
0 panjang = int(input())
1 lebar = int(input())
2 tinggi = int(input())
3 volume = panjang * lebar * tinggi
4 print("maka Volume balok adalah :"+ str(volume))
```

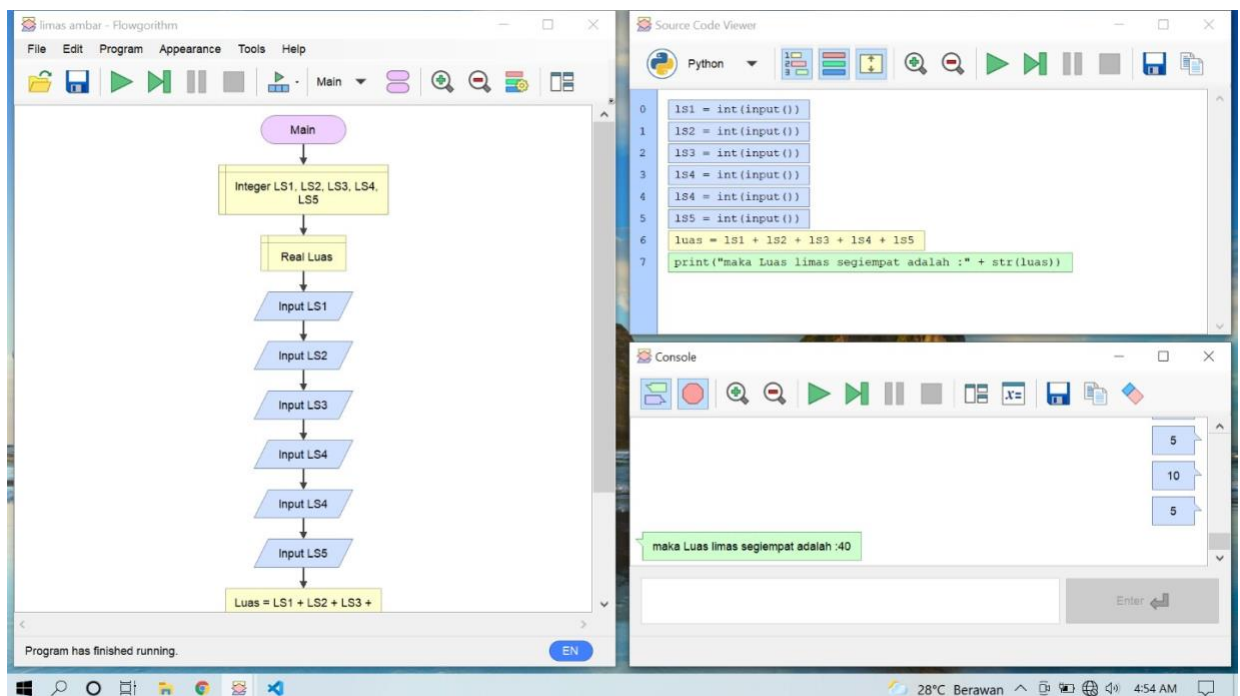
The Console window shows the input values 7, 8, and 9, and the output: 'maka Volume balok adalah :504'.

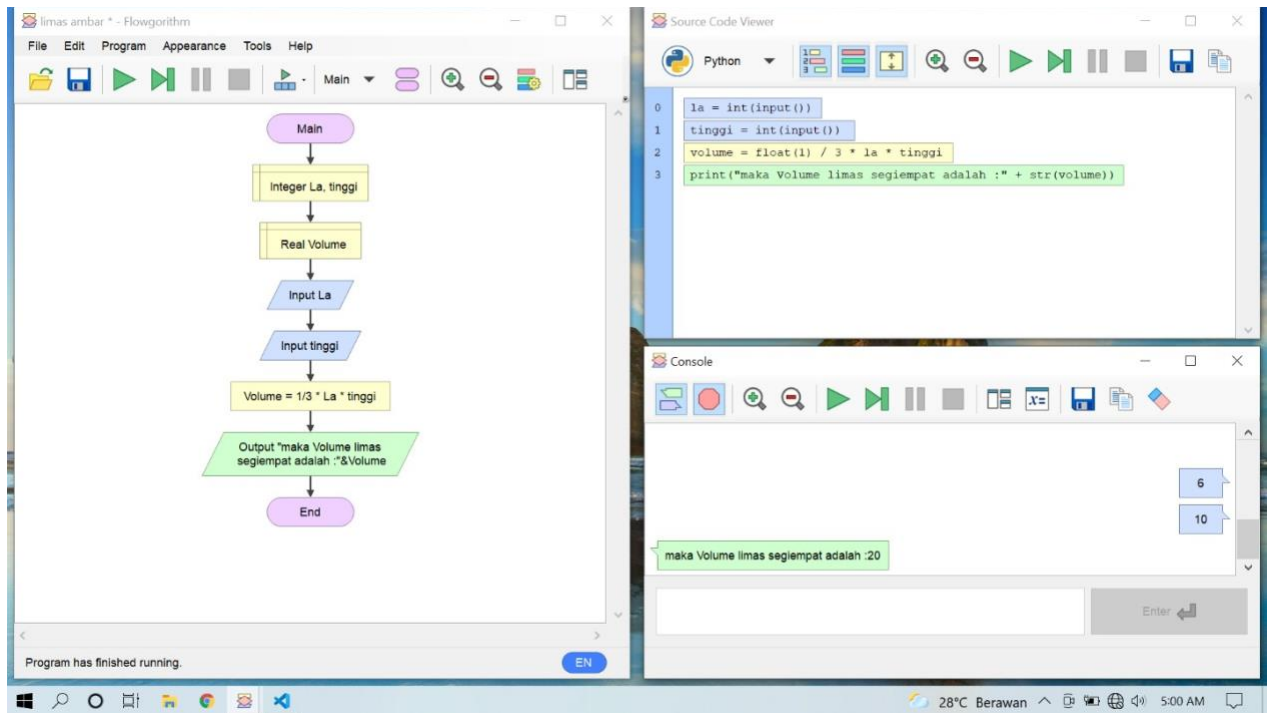
## VS-Code



### 3. Limas segiempat

Buat flowchart masukkan inputannya kemudian “Run” seperti gambar dibawah ini





## VS-Code

The image shows a Visual Studio Code editor window with a Python script and its terminal output.

**Source Code (limas\_Volume.py):**

```
1 LS1 = int(input())
2 LS2 = int(input())
3 LS3 = int(input())
4 LS4 = int(input())
5 LS5 = int(input())
6 Luas = LS1 + LS2 + LS3 + LS4 + LS5
7 print("maka Luas limas segiempat adalah : " + str(Luas))
```

**Terminal Output:**

```
10
maka Volume limas segiempat adalah :20.0
PS C:\Users\LENOVO> cd 'c:\Users\LENOVO'; & 'C:\Users\LENOVO\AppData\Local\Programs\Python\Python39\python.exe' 'c:\Users\LENOVO\.vscode\extensions\ms-python.python-2021.10.1365161279\pythonFiles\lib\python\debugpy\launcher' '52524' '--' 'c:\Users\LENOVO\limas_Volume.py'
10
5
10
5
10
maka Luas limas segiempat adalah :40
PS C:\Users\LENOVO>
```



#### 4. Prisma Segitiga

Buat flowchart masukkan inputannya kemudian “Run” seperti gambar dibawah ini

The image displays two screenshots of a Python IDE interface, showing the flowchart and source code for two programs: calculating the area of a triangular prism and calculating its volume.

**Top Screenshot: Area Calculation**

**Flowchart:**

```
graph TD
    Main([Main]) --> Integer[Integer S1, S2, S3, t]
    Integer --> Real[Real Luas]
    Real --> InputS1[/Input S1/]
    InputS1 --> InputS2[/Input S2/]
    InputS2 --> InputS3[/Input S3/]
    InputS3 --> Inputt[/Input t/]
    Inputt --> Luas[Luas = (S1 + S2 + S3) * t]
    Luas --> Output[Output "maka Luas prisma segitiga adalah :"&Luas]
    Output --> End([End])
```

**Source Code:**

```
0 s1 = int(input())
1 s2 = int(input())
2 s3 = int(input())
3 t = int(input())
4 luas = (s1 + s2 + s3) * t
5 print("maka Luas prisma segitiga adalah :"+ str(luas))
```

**Console:**

Input values: 14, 14, 18

Output: maka Luas prisma segitiga adalah :756

**Bottom Screenshot: Volume Calculation**

**Flowchart:**

```
graph TD
    Main([Main]) --> Integer[Integer a, t, Tinggi]
    Integer --> Real[Real Volume]
    Real --> Inputa[/Input a/]
    Inputa --> Inputt[/Input t/]
    Inputt --> InputTinggi[/Input Tinggi/]
    InputTinggi --> Volume[Volume = 1/2 * a * t * Tinggi]
    Volume --> Output[Output "maka Volume prisma segitiga adalah :"&Volume]
    Output --> End([End])
```

**Source Code:**

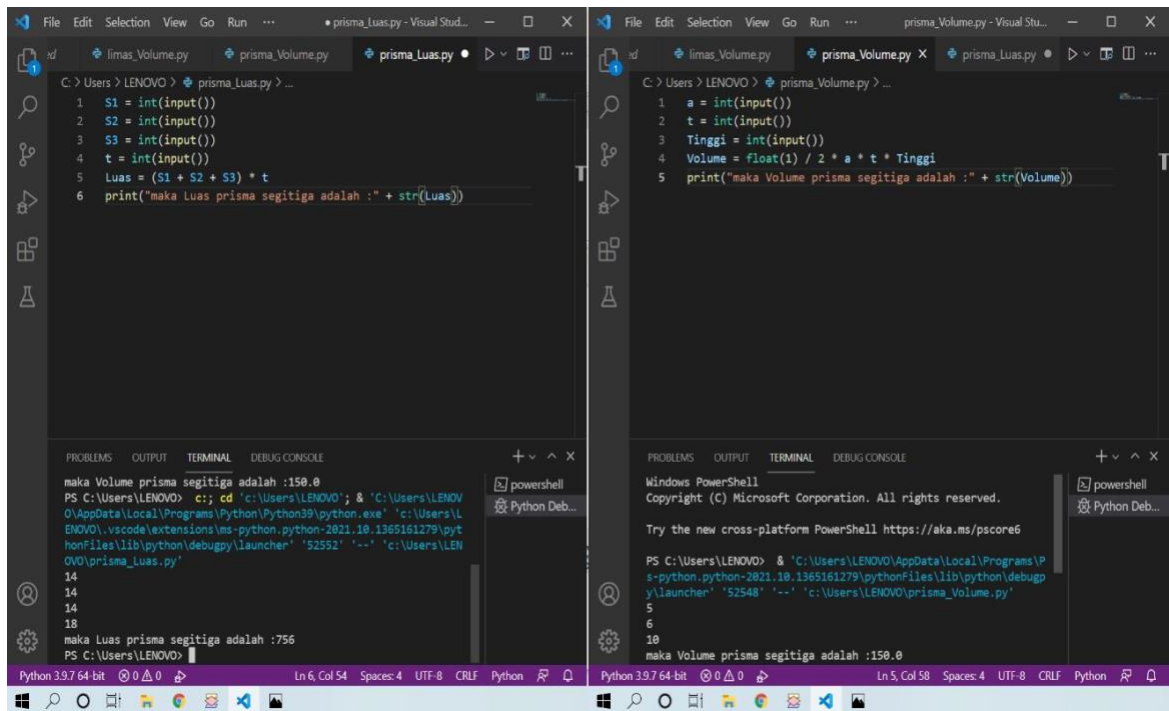
```
0 a = int(input())
1 t = int(input())
2 tinggi = int(input())
3 volume = float(1) / 2 * a * t * tinggi
4 print("maka Volume prisma segitiga adalah :"+ str(volume))
```

**Console:**

Input values: 5, 6, 10

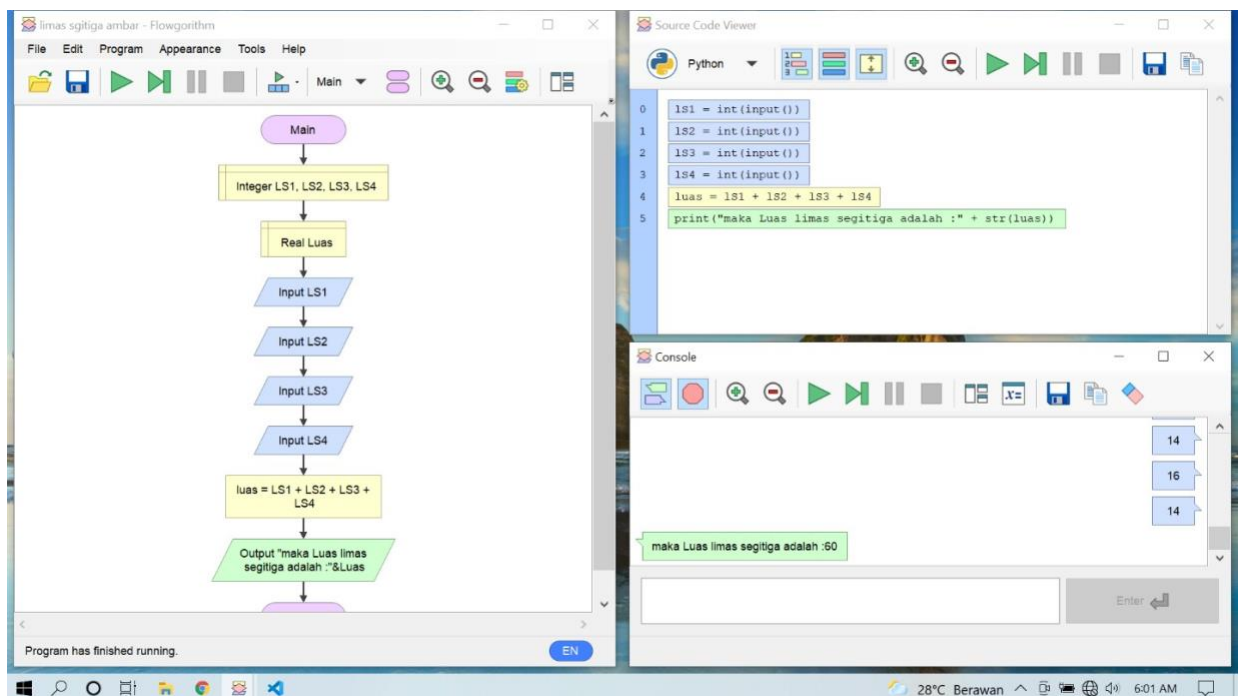
Output: maka Volume prisma segitiga adalah :150

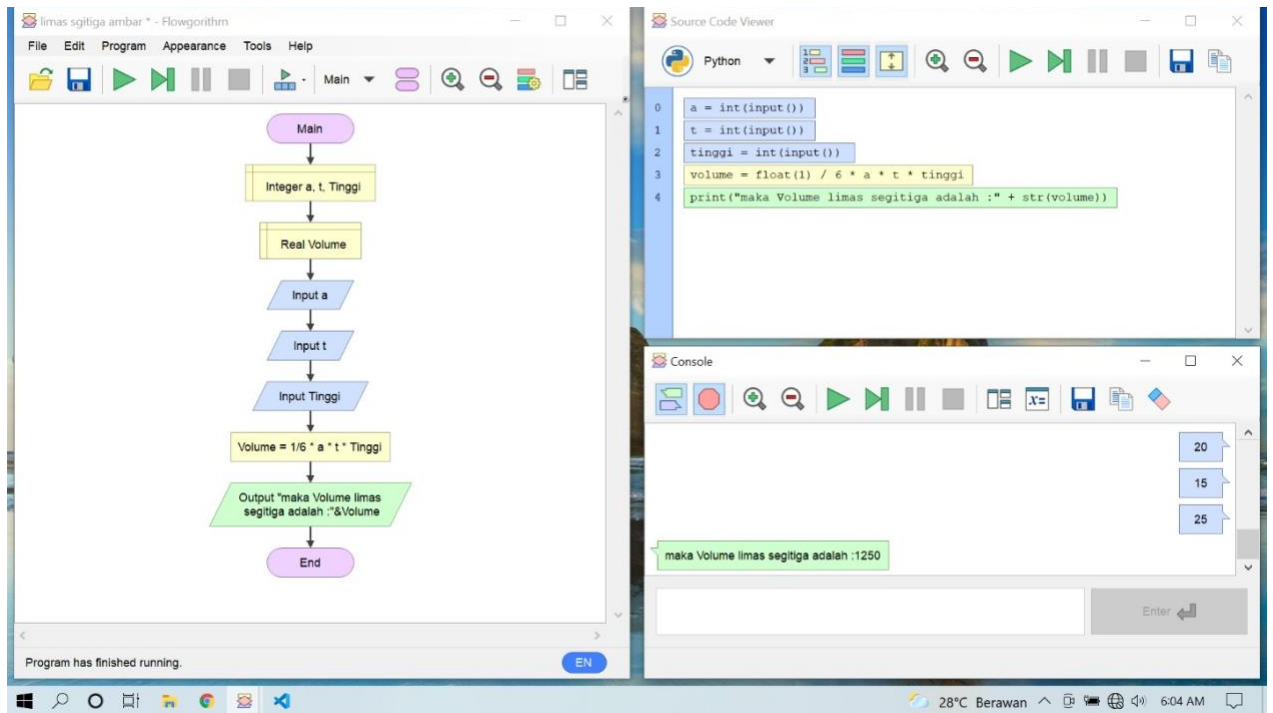
## VS-Code



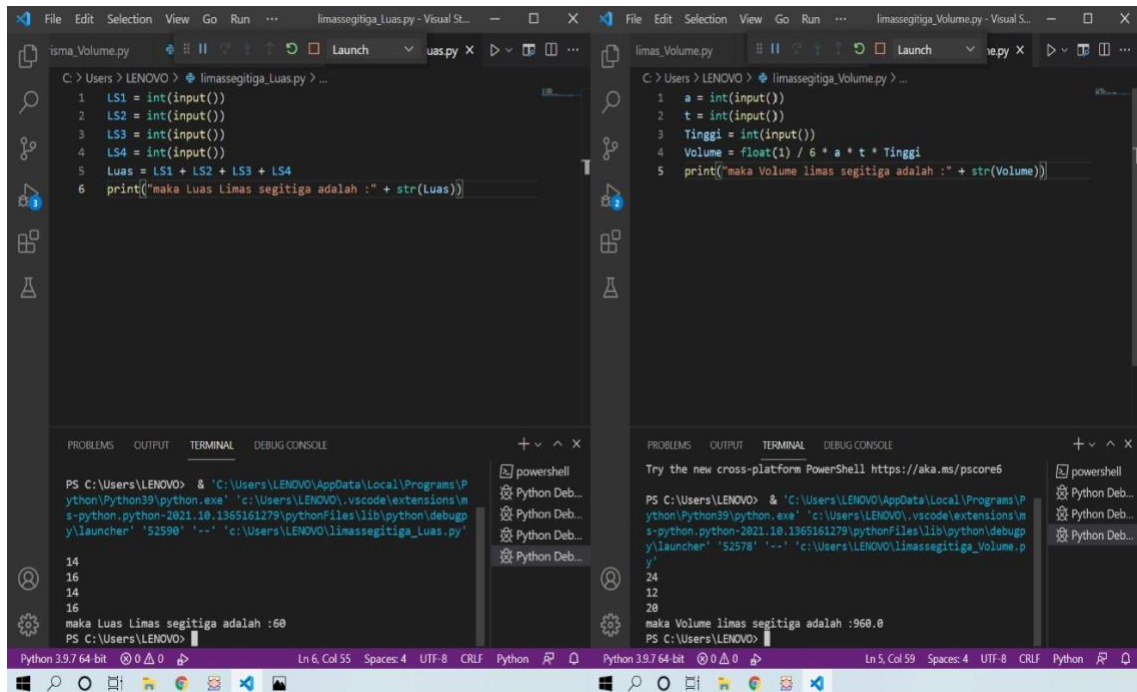
## 5. Limas Segitiga

Buat flowchart masukkan inputannya kemudian “Run” seperti gambar dibawah ini





## VS-Code





## 6. Silinder Tabung

Buat flowchart masukkan inputannya kemudian “Run” seperti gambar dibawah ini

The screenshot shows a Flowgorithm window titled "selinder 6tabung - Flowgorithm" and a Source Code Viewer window. The Flowchart in Flowgorithm is as follows:

```
graph TD
    Main([Main]) --> Integer[Integer phi, r, T]
    Integer --> Real[Real Luas]
    Real --> InputPhi[/Input phi/]
    InputPhi --> InputR[/Input r/]
    InputR --> InputT[/Input T/]
    InputT --> Luas[Luas = 2 * phi * r * T]
    Luas --> Output[/Output "maka Luas silinder tabung :"&Luas/]
    Output --> End([End])
```

The Source Code Viewer shows the following Python code:

```
0 phi = int(input())
1 r = int(input())
2 t = int(input())
3 luas = 2 * phi * r * t
4 print("maka Luas silinder tabung : " + str(luas))
```

The Console window shows the input values 3.14, 14, and 18, and the output: "maka Luas silinder tabung :1582.56".

The screenshot shows a Flowgorithm window titled "selinder 6tabung \* - Flowgorithm" and a Source Code Viewer window. The Flowchart in Flowgorithm is as follows:

```
graph TD
    Main([Main]) --> Integer[Integer phi, r, T]
    Integer --> Real[Real Volume]
    Real --> InputPhi[/Input phi/]
    InputPhi --> InputR1[/Input r/]
    InputR1 --> InputR2[/Input r/]
    InputR2 --> InputT[/Input T/]
    InputT --> Volume[Volume = phi * r * r * T]
    Volume --> Output[/Output "maka Volume silinder tabung :"&Volume/]
    Output --> End([End])
```

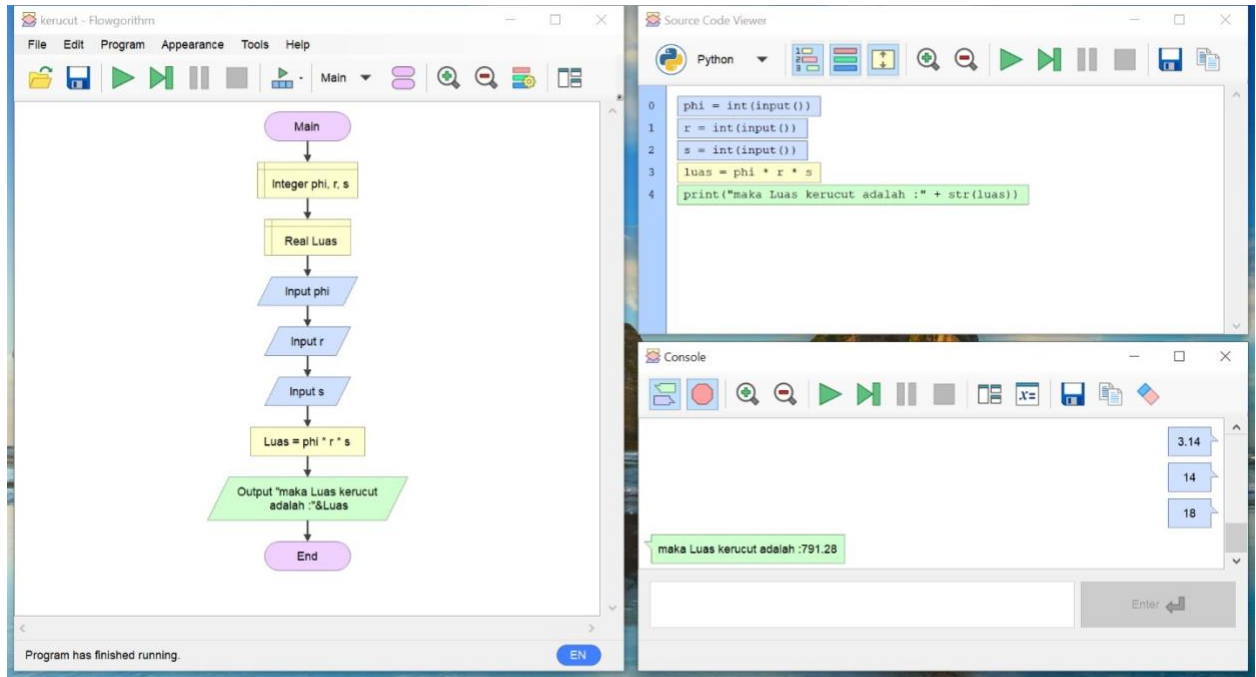
The Source Code Viewer shows the following Python code:

```
0 phi = int(input())
1 r = int(input())
2 r = int(input())
3 t = int(input())
4 volume = phi * r * r * t
5 print("maka Volume silinder tabung : " + str(volume))
```

The Console window shows the input values 14, 14, and 18, and the output: "maka Volume silinder tabung :11077.92".

## 7. Kerucut

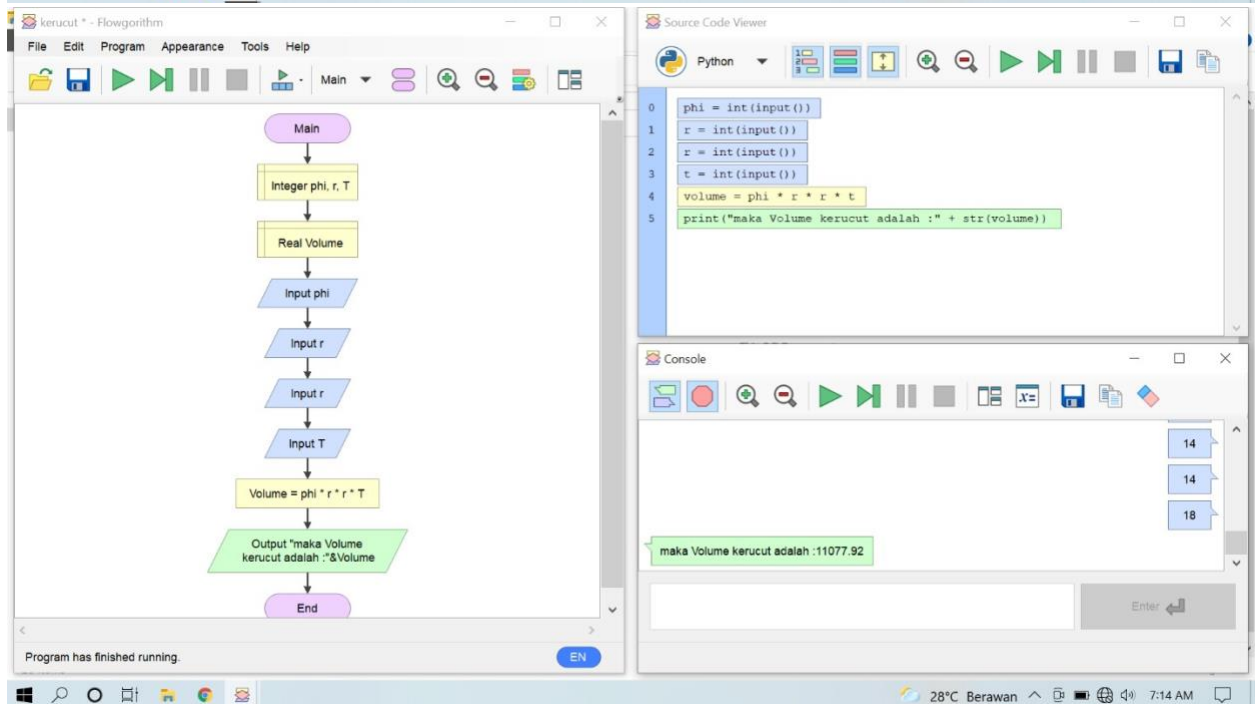
Buat flowchart masukkan inputannya kemudian “Run” seperti gambar dibawah ini



The top screenshot shows a Flowgorithm program for calculating the area of a cone. The flowchart starts with a 'Main' block, followed by 'Integer phi, r, s', 'Real Luas', and three input blocks for 'phi', 'r', and 's'. The calculation 'Luas = phi \* r \* s' is performed, and the result is output as 'maka Luas kerucut adalah :&Luas'. The program then ends. The source code in the 'Source Code Viewer' window is as follows:

```
0 phi = int(input())
1 r = int(input())
2 s = int(input())
3 luas = phi * r * s
4 print("maka Luas kerucut adalah : " + str(luas))
```

The console shows the inputs 3.14, 14, and 18, resulting in the output: 'maka Luas kerucut adalah :791.28'.



The bottom screenshot shows a Flowgorithm program for calculating the volume of a cone. The flowchart starts with a 'Main' block, followed by 'Integer phi, r, T', 'Real Volume', and four input blocks for 'phi', 'r', 'r', and 'T'. The calculation 'Volume = phi \* r \* r \* T' is performed, and the result is output as 'maka Volume kerucut adalah :&Volume'. The program then ends. The source code in the 'Source Code Viewer' window is as follows:

```
0 phi = int(input())
1 r = int(input())
2 r = int(input())
3 t = int(input())
4 volume = phi * r * r * t
5 print("maka Volume kerucut adalah : " + str(volume))
```

The console shows the inputs 14, 14, and 18, resulting in the output: 'maka Volume kerucut adalah :11077.92'.

## 8. Bola

Buat flowchart masukkan inputannya kemudian “Run” seperti gambar dibawah ini

The image displays two screenshots of a Python IDE interface, showing the development and execution of a program to calculate the surface area and volume of a sphere.

**Top Screenshot: Surface Area Calculation**

**Flowchart:**

```
graph TD
    Main([Main]) --> Integer[Integer phi, r]
    Integer --> Real[Real Luas]
    Real --> InputPhi[/Input phi/]
    InputPhi --> InputR1[/Input r/]
    InputR1 --> InputR2[/Input r/]
    InputR2 --> Luas[Luas = phi * r * r]
    Luas --> Output[Output "maka Luas bola adalah :"&Luas]
    Output --> End([End])
```

**Source Code Viewer:**

```
0 phi = int(input())
1 r = int(input())
2 r = int(input())
3 luas = phi * r * r
4 print("maka Luas bola adalah :"+ str(luas))
```

**Console:**

3.14  
20  
20  
maka Luas bola adalah :1256

**Bottom Screenshot: Volume Calculation**

**Flowchart:**

```
graph TD
    Main([Main]) --> Integer[Integer phi, r]
    Integer --> Real[Real Volume]
    Real --> InputPhi[/Input phi/]
    InputPhi --> InputR1[/Input r/]
    InputR1 --> InputR2[/Input r/]
    InputR2 --> InputR3[/Input r/]
    InputR3 --> Volume[Volume = 4 / 3 * phi * r * r]
    Volume --> Output[Output "maka Volume bola adalah :"&Volume]
    Output --> End([End])
```

**Source Code Viewer:**

```
0 phi = int(input())
1 r = int(input())
2 r = int(input())
3 r = int(input())
4 volume = float(4) / 3 * phi * r * r
5 print("maka Volume bola adalah :"+ str(volume))
```

**Console:**

15  
15  
15  
maka Volume bola adalah :941.9999999999998