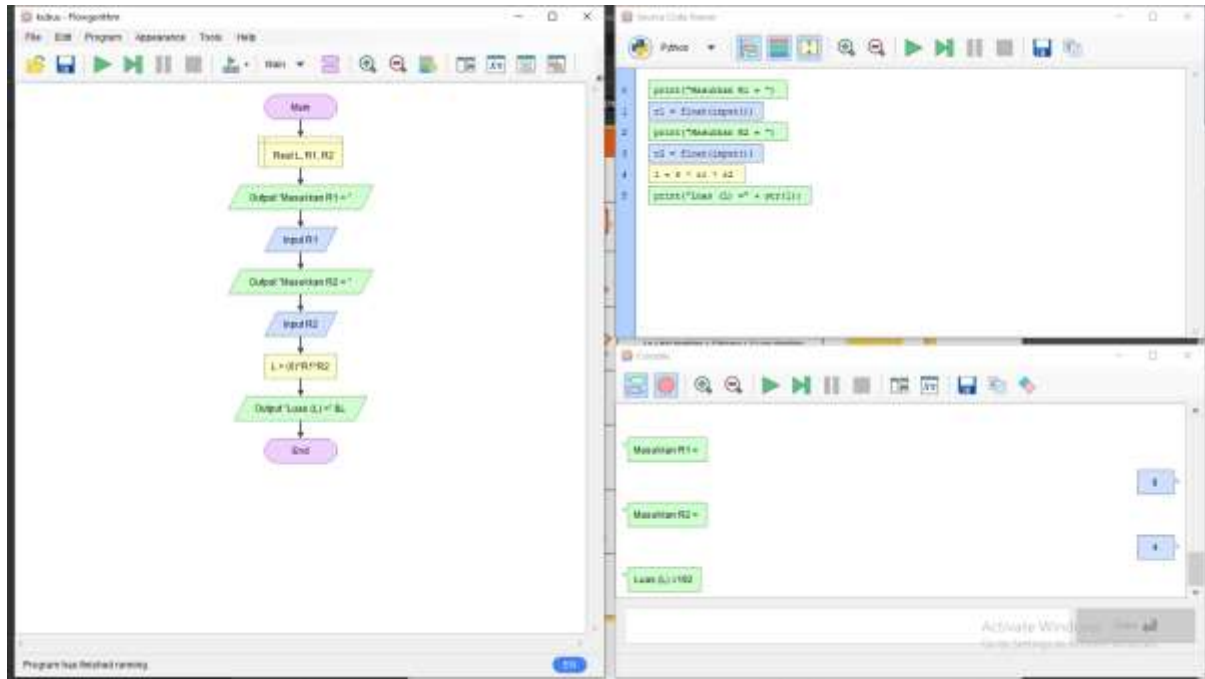


Nama : Nizar Mulyawan

Nim : 20.01.013.011

Kelas : Kecerdasan Buatan (AI)

## 1. Kubus

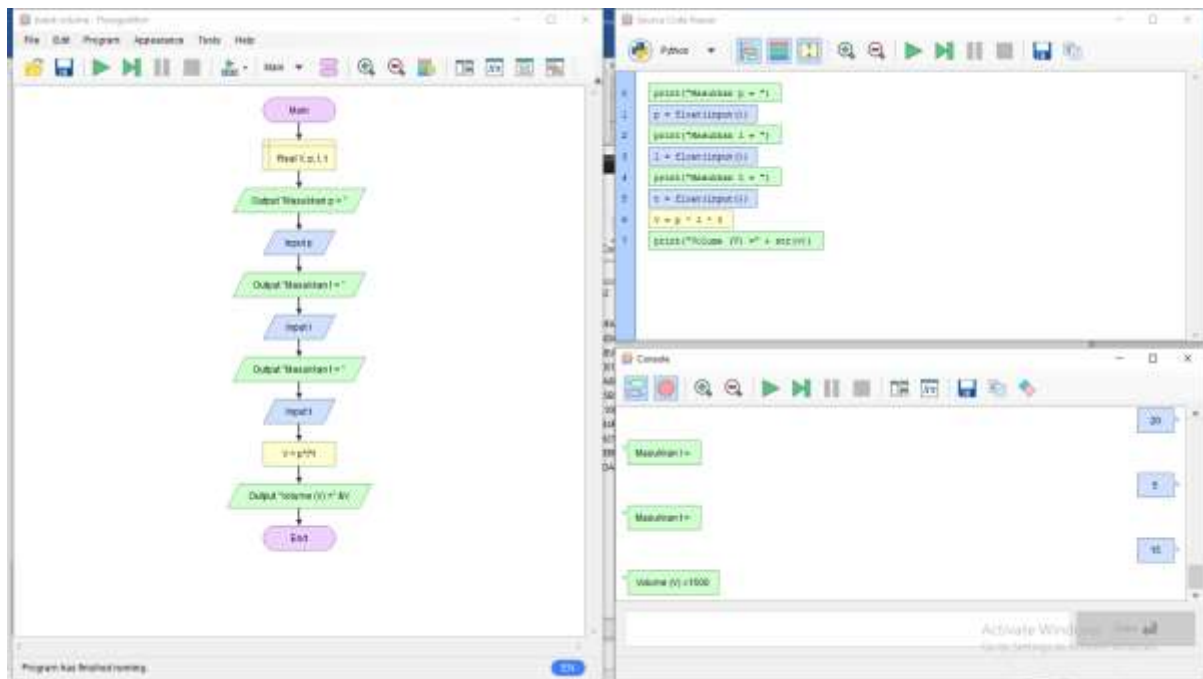


The image shows a terminal window with the following output:

```
Python 3.8.5 Shell
C:\Users\Nizar> python3.py
Masukkan R1 = 1
Masukkan R2 = 2
Value L1 = 2
```

The terminal output matches the logic of the flowchart and Python code shown in the previous image, where  $L = R1 \times R2$  and  $L1 = L$ .

## 2. Balok

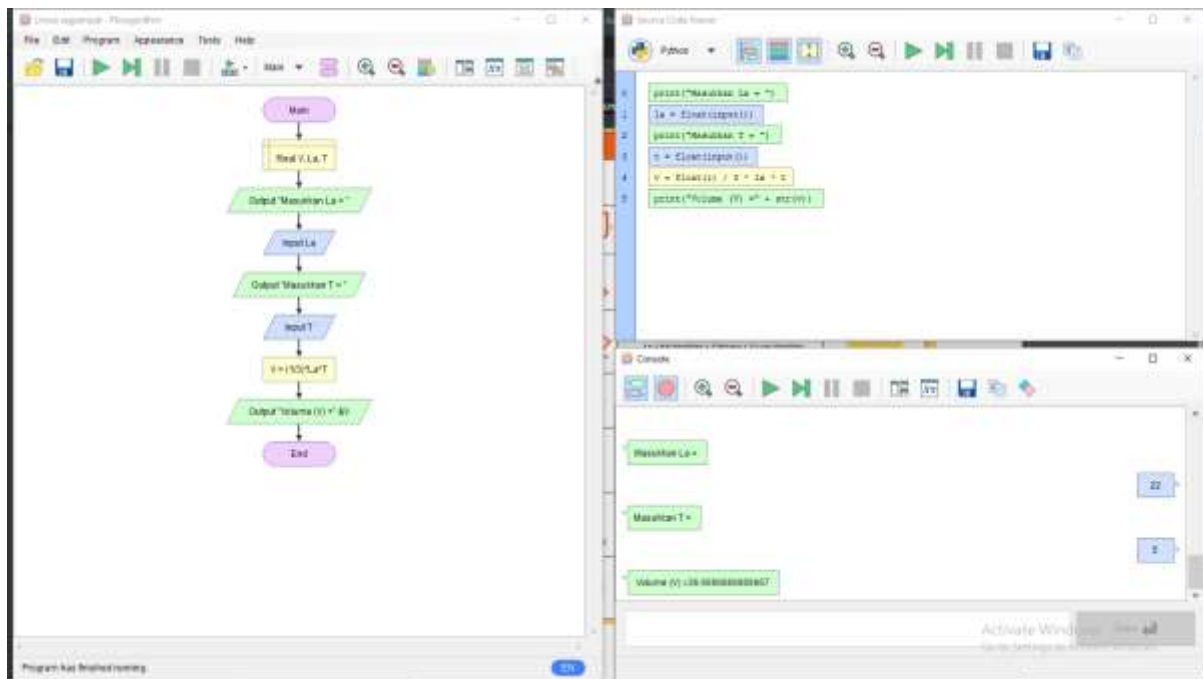


The screenshot shows a Windows Command Prompt window with the following text:

```
C:\Users\Bismillah > python c:\Users\Bismillah\Documents\Balok.py
Masukkan p = 10
Masukkan l = 10
Volume (V) = 1000
```

The status bar at the bottom indicates 'Python 3.8.6 64-bit'.

### 3. Limas Segiempat



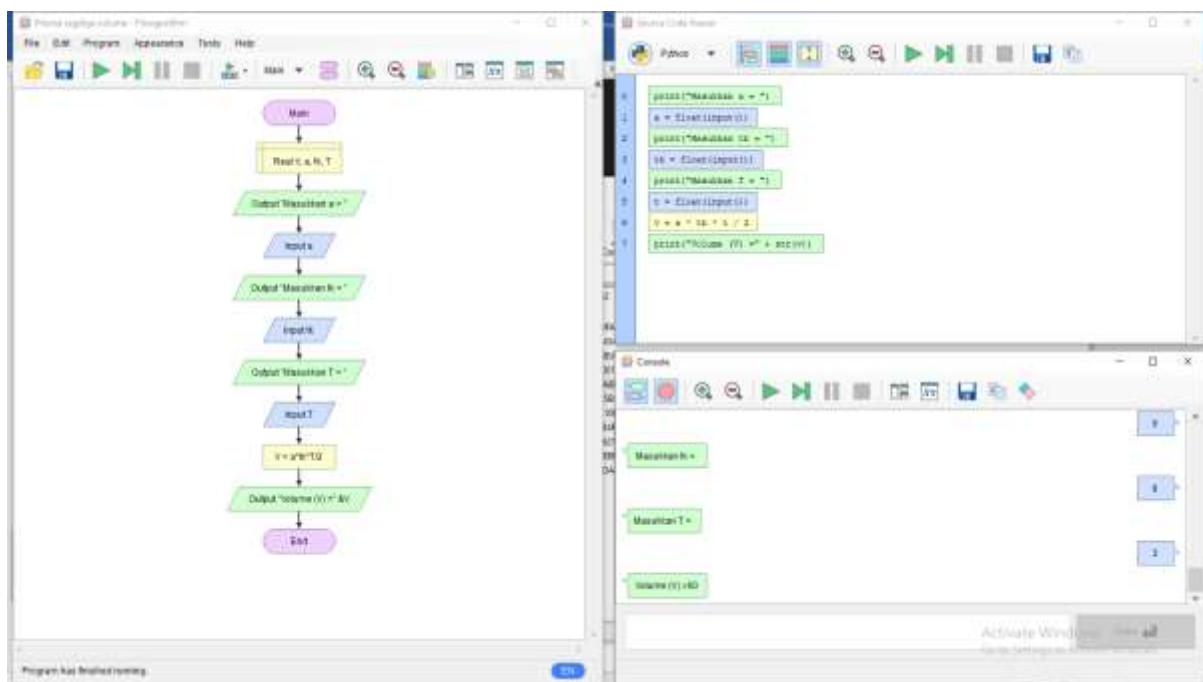
This screenshot shows the same C++ code as the previous image, but with the console output visible. The code is identical: it prompts for L and T, calculates the volume using  $V = \frac{1}{3} * L * T$ , and prints the result. The console shows the execution with input values 22 and 5, resulting in a volume of 154.66666666666667.

```
1 print("Masukkan L = ")
2 L = float(input())
3 print("Masukkan T = ")
4 T = float(input())
5 V = float(L) / 3 * L * T
6 print("Volume (V) = %f\n" % V)
```

Console output:

```
Masukkan L = 22
Masukkan T = 5
Volume (V) = 154.66666666666667
```

#### 4. Prisma Segitiga



The screenshot displays a C++ IDE with two main panels. The left panel shows the source code for the program, and the right panel shows the console output.

```
1 #include <iostream>
2 using namespace std;
3
4 int main() {
5     int a, b, c;
6     print("Masukkan a = ");
7     a = GetIntInput();
8     print("Masukkan b = ");
9     b = GetIntInput();
10    print("Masukkan c = ");
11    c = GetIntInput();
12    s = (a + b + c) / 2;
13    print("Luas (s) = s * s");
14    return 0;
15 }
```

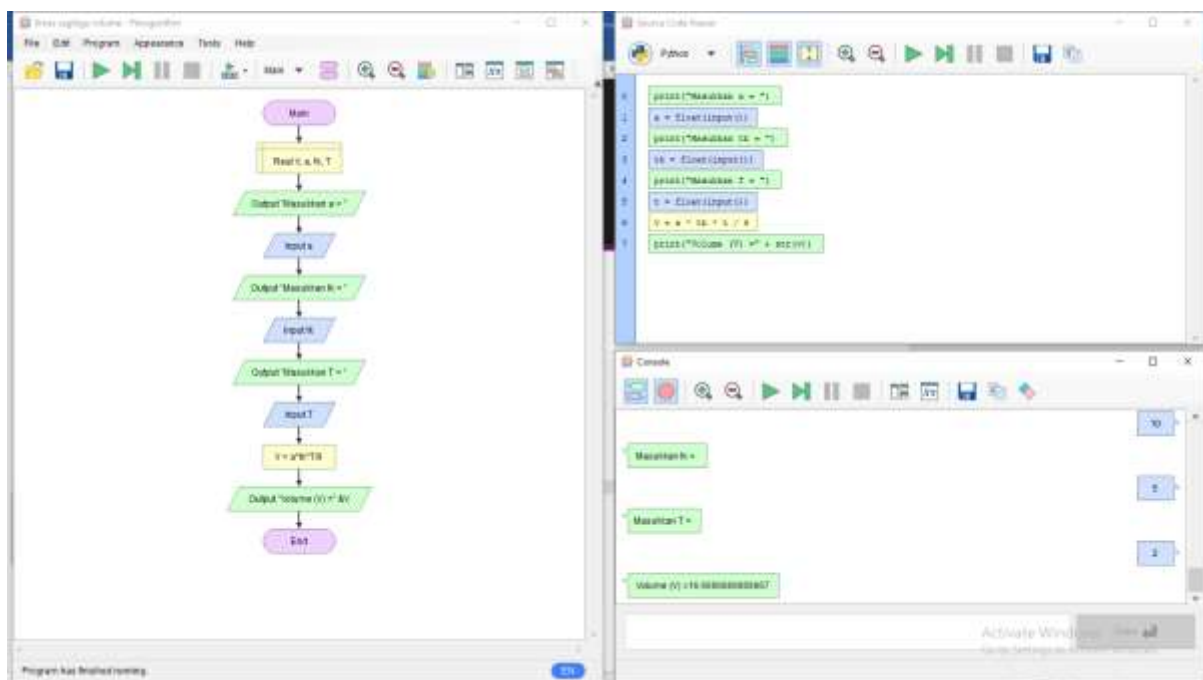
Console Output:

```
Windows PowerShell
Copyright (c) Microsoft Corporation. All rights reserved.

Try the new cross-platform PowerShell https://aka.ms/powershell

PS C:\Users\Bismillah> g++ main.cpp -o main.exe
main.exe
Masukkan a = 3
Masukkan b = 4
Masukkan c = 5
Luas (s) = 25.5
PS C:\Users\Bismillah>
```

## 5. Limas Segitiga



The screenshot displays a C++ IDE with two main windows. The left window shows the C++ source code for calculating the volume of a triangular pyramid:

```
1 #include <iostream>
2 using namespace std;
3
4 int main()
5 {
6     double s, k, h, T, V;
7     cout << "Masukkan s = ";
8     cin >> s;
9     cout << "Masukkan k = ";
10    cin >> k;
11    cout << "Masukkan T = ";
12    cin >> T;
13    V = 1/3 * s * k * T;
14    cout << "Volume (V) = %f \n" << V;
15    return 0;
16 }
```

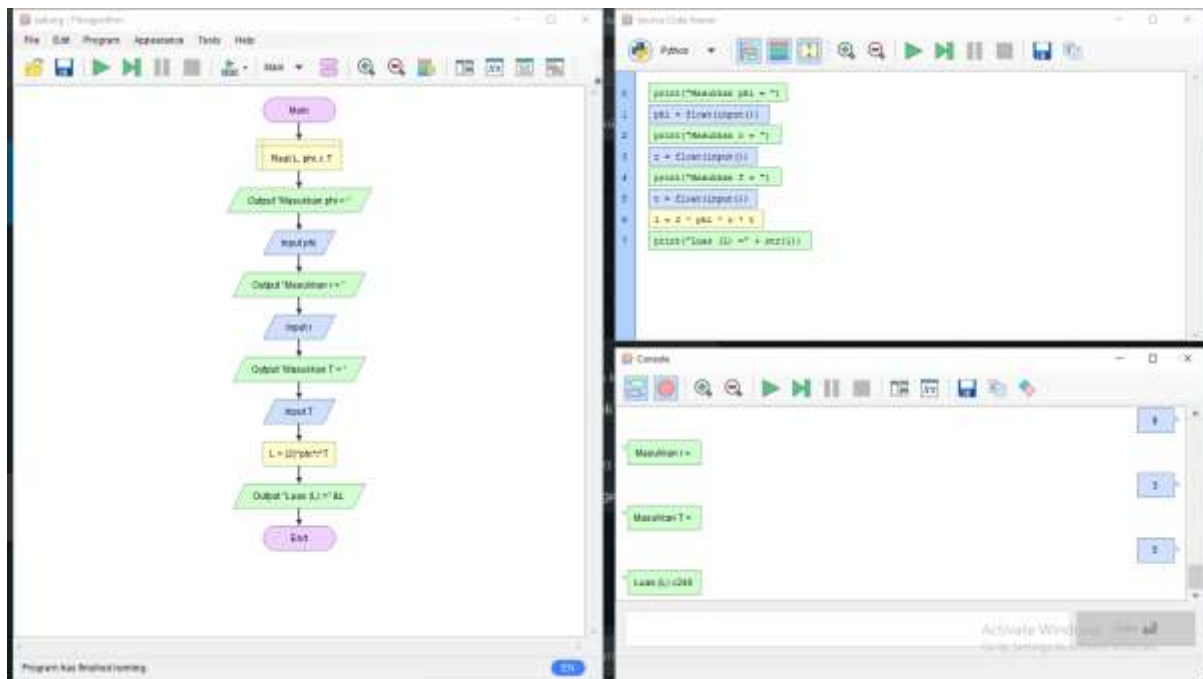
The right window shows the console output, which displays the input values and the resulting volume:

```
Windows PowerShell
Copyright (c) Microsoft Corporation. All rights reserved.

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

PS C:\Users\Bismillah> g++ 10-2.cpp
PS C:\Users\Bismillah> ./10-2.exe
Masukkan s =
10
Masukkan k =
5
Masukkan T =
2
Volume (V) = 166.666666667
PS C:\Users\Bismillah>
```

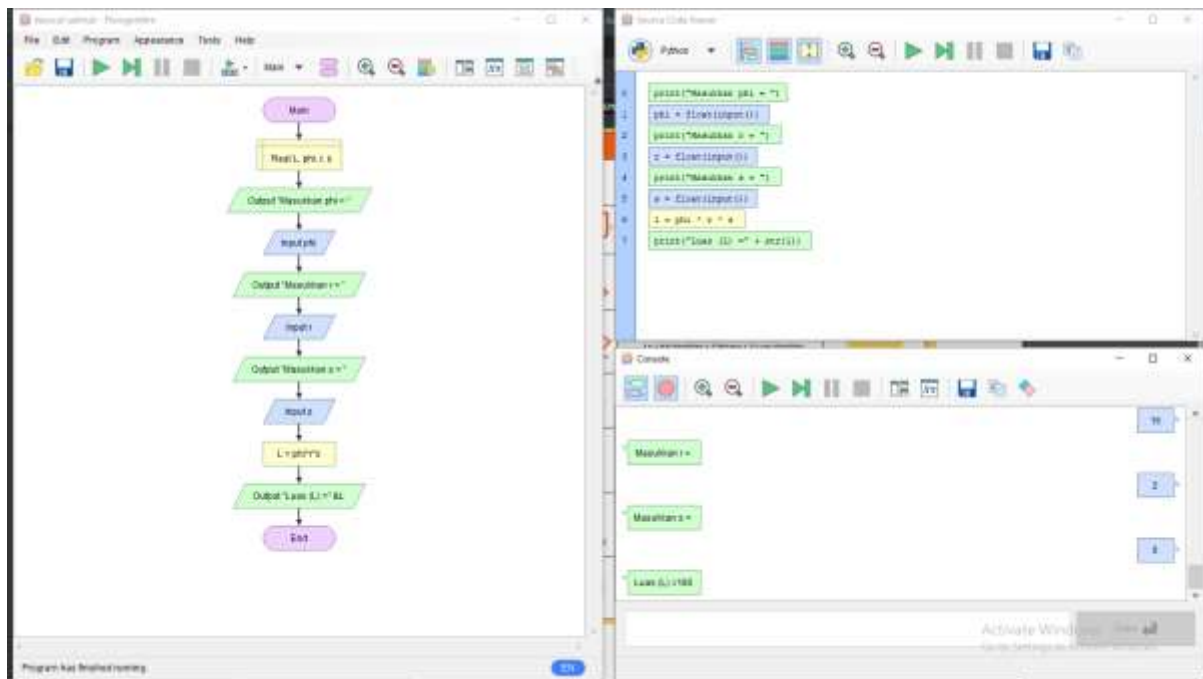
## 6. Slinder (Tabung)



The screenshot shows a terminal window where the program has been executed. The output matches the flowchart and code: it prompts for phi, r, and T, and then displays the calculated surface area L.

```
C:\Users\Bismillah> python C:\Users\Bismillah\Documents\6.py
Masukkan phi = 
38
Masukkan r = 
2
Masukkan T = 
4
Luas SL = 608.0
C:\Users\Bismillah>
```

## 7. Kerucut



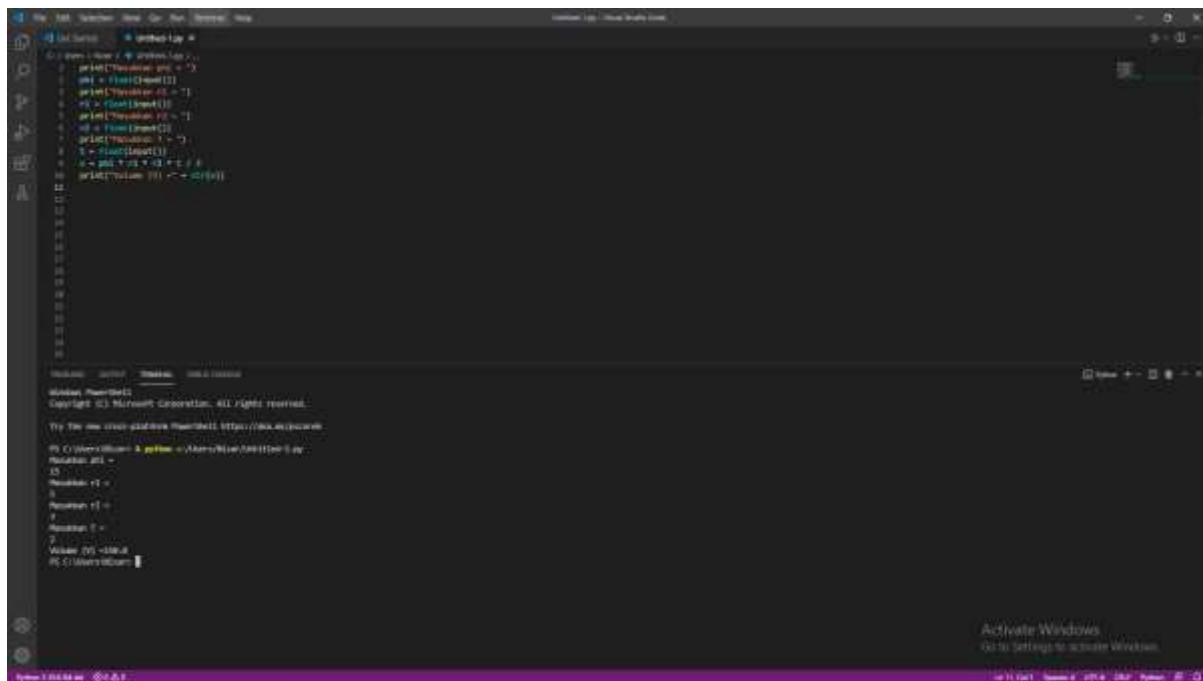
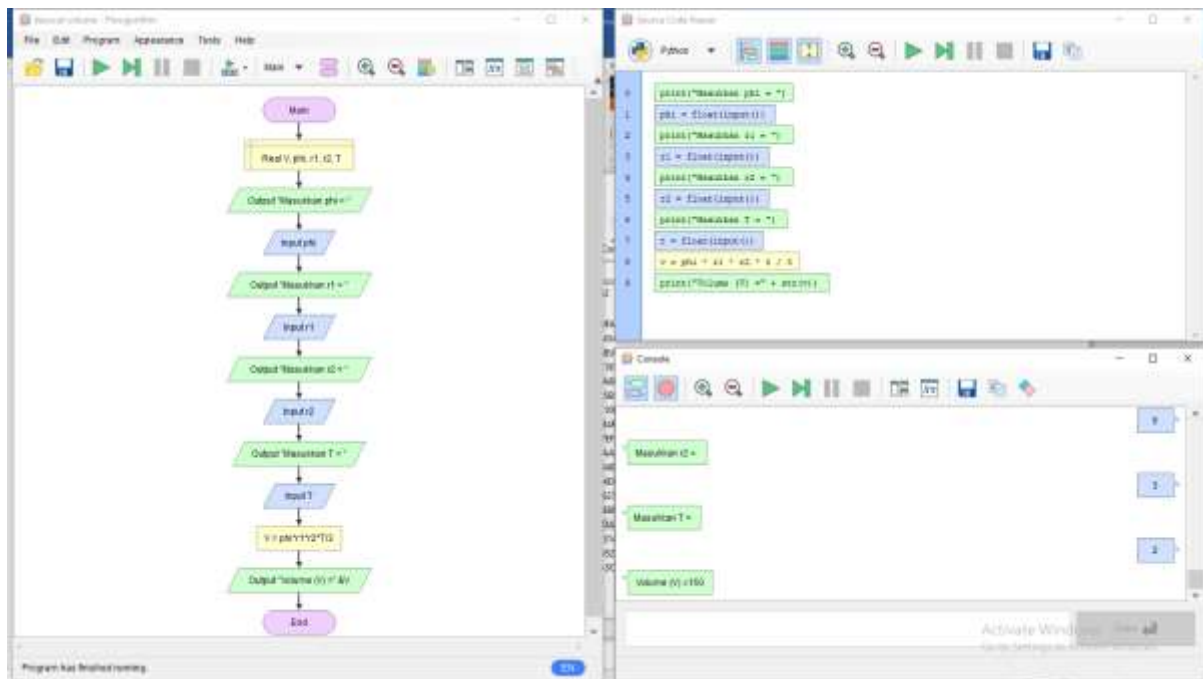
This screenshot shows the same Python code as the first screenshot, but in a different IDE layout. The code is as follows:

```
1 print("Masukan phi = ")
2 phi = float(input())
3 print("Masukan r = ")
4 r = float(input())
5 print("Masukan s = ")
6 s = float(input())
7 L = phi * r * r / 2
8 print("Luas L =" + str(L))
```

The console window at the bottom shows the same execution results:

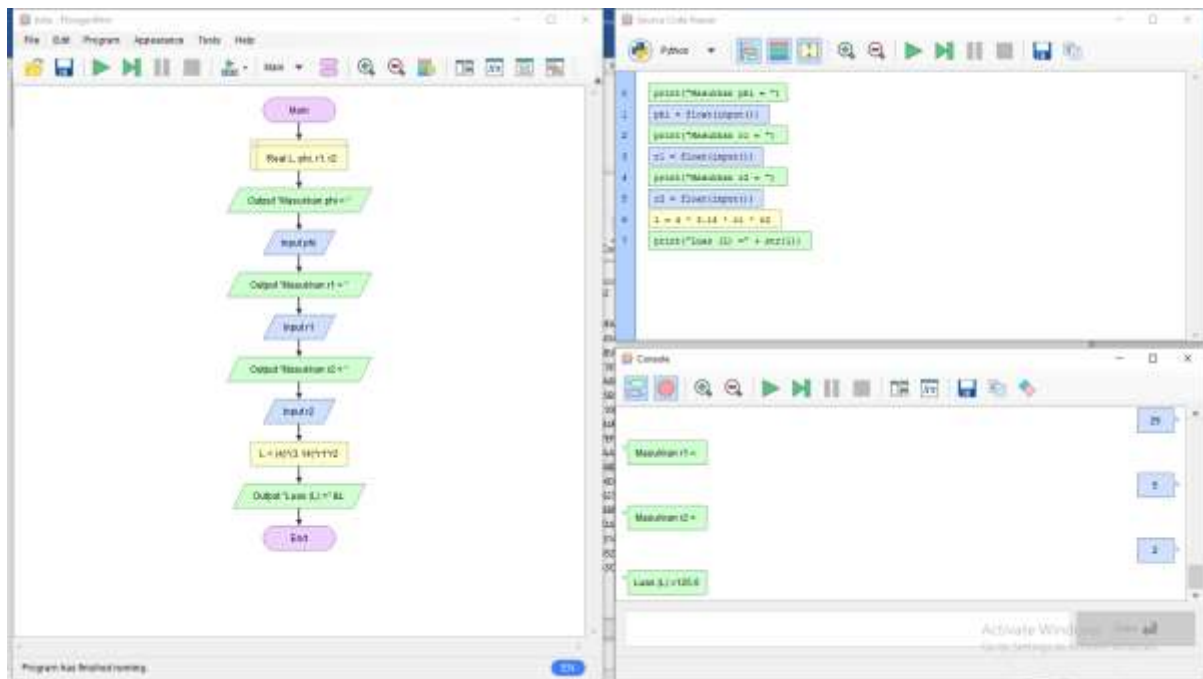
```
Masukan r = 10
Masukan s = 2
Luas L = 157.08
```

## Volume kerucut





## 8. Bola



The screenshot shows a Windows 10 desktop with a Visual Studio Code editor open. The editor has a dark theme and displays a C++ program in a file named `main.cpp`. The program is a simple addition calculator that takes two integers as input and prints their sum. The code is as follows:

```

1 // main.cpp
2 #include <iostream>
3 using namespace std;
4
5 int main()
6 {
7     int a, b;
8     cout << "Enter two numbers: ";
9     cin >> a >> b;
10    cout << "Sum: " << a + b << endl;
11    return 0;
12 }

```

Below the editor, a terminal window is open, showing the command prompt. The user has entered the command `g++ main.cpp` and the output is `main.cpp: OK`. The terminal also shows the command `g++ main.cpp` and the output `main.cpp: OK`.

In the bottom right corner of the screen, there is a watermark that says "Activate Windows. Go to Settings to activate Windows."