

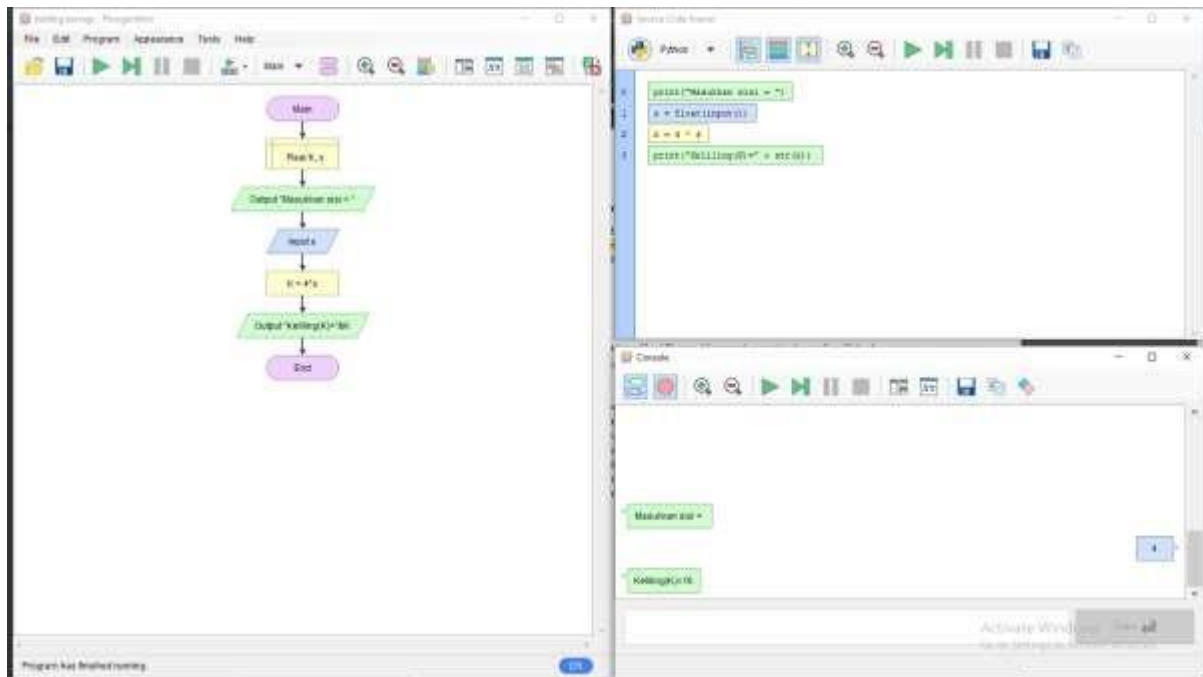
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Matkul: Artificial Intelligence

Tugas Individu V

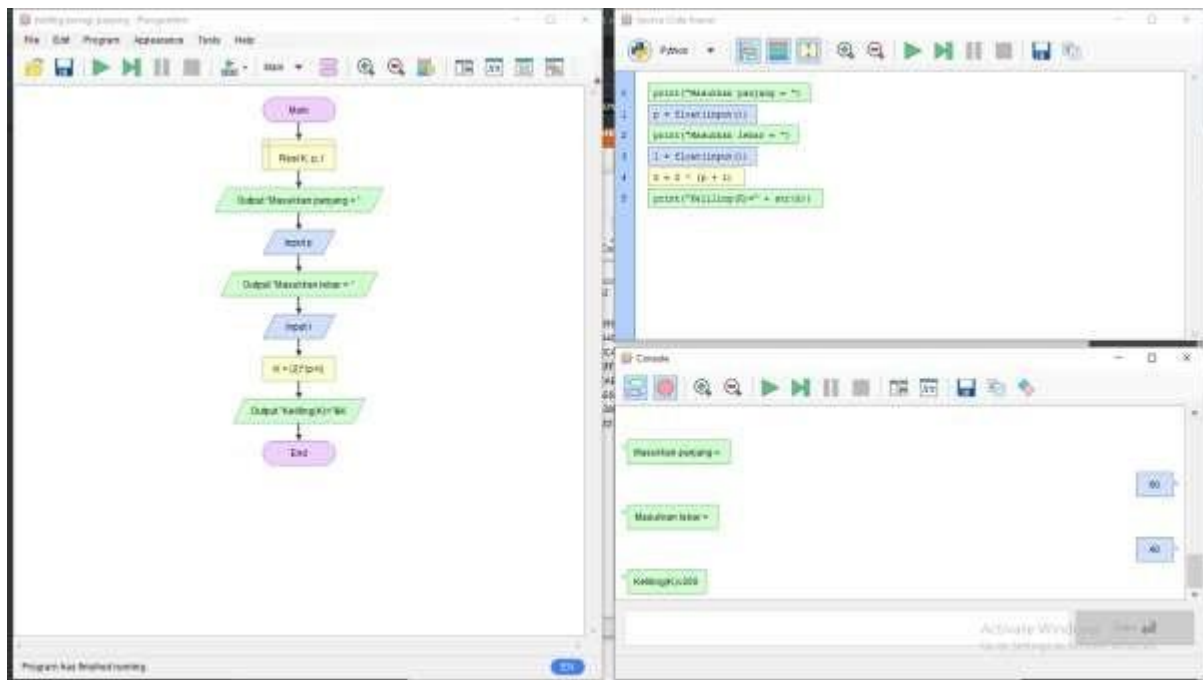
1. Keliling persegi



The screenshot shows a Windows Command Prompt window where a Python script is being executed. The script calculates the perimeter of a square. The user is prompted to enter a side length, and the program outputs the calculated perimeter.

```
C:\Users\Dimas > python C:\Users\Dimas\Documents\KelilingPersegi.py
Masukkan sisi = 5
Keliling(K) = 20
```

2. Keliling Persegi Panjang

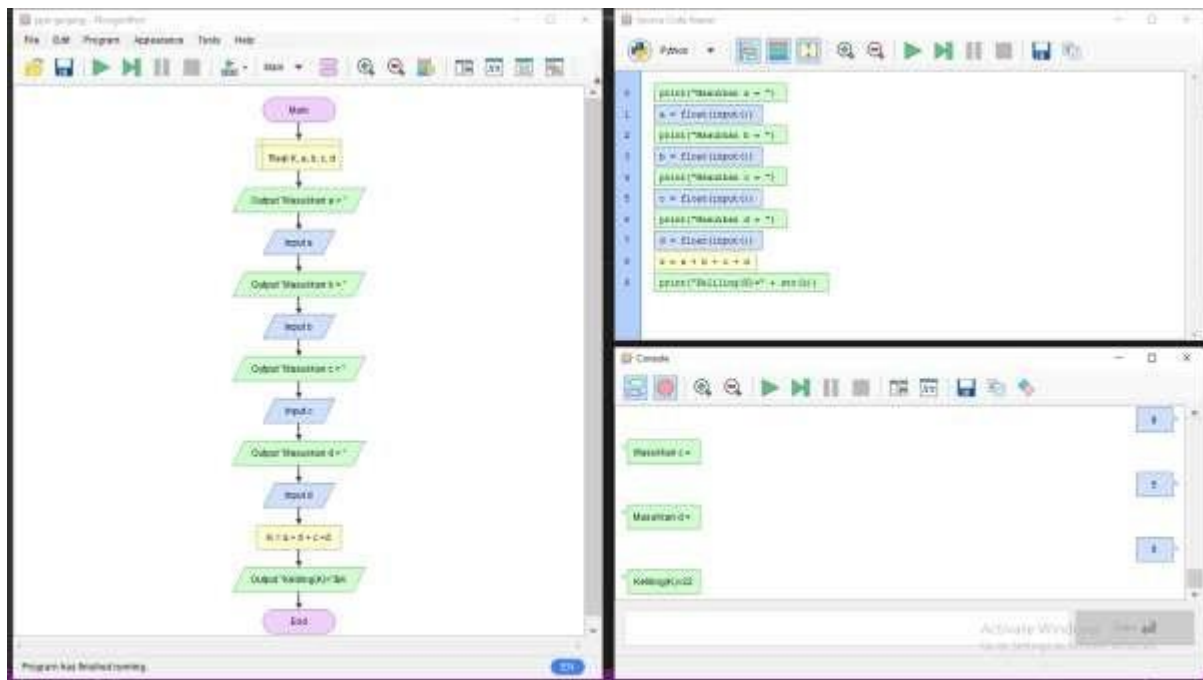


The screenshot shows the same Python IDE with the code executed. The output window displays the results: 'Masukkan panjang = 80', 'Masukkan lebar = 40', and 'Keliling K = 240'. The code is identical to the one in the previous screenshot.

```
print("Masukkan panjang = ")
p = float(input())
print("Masukkan lebar = ")
l = float(input())
K = (2 * (p + l))
print("Keliling K = %d" % K)
```

```
Masukkan panjang =
80
Masukkan lebar =
40
Keliling K = 240
```

3. Keliling Jajar Genjang

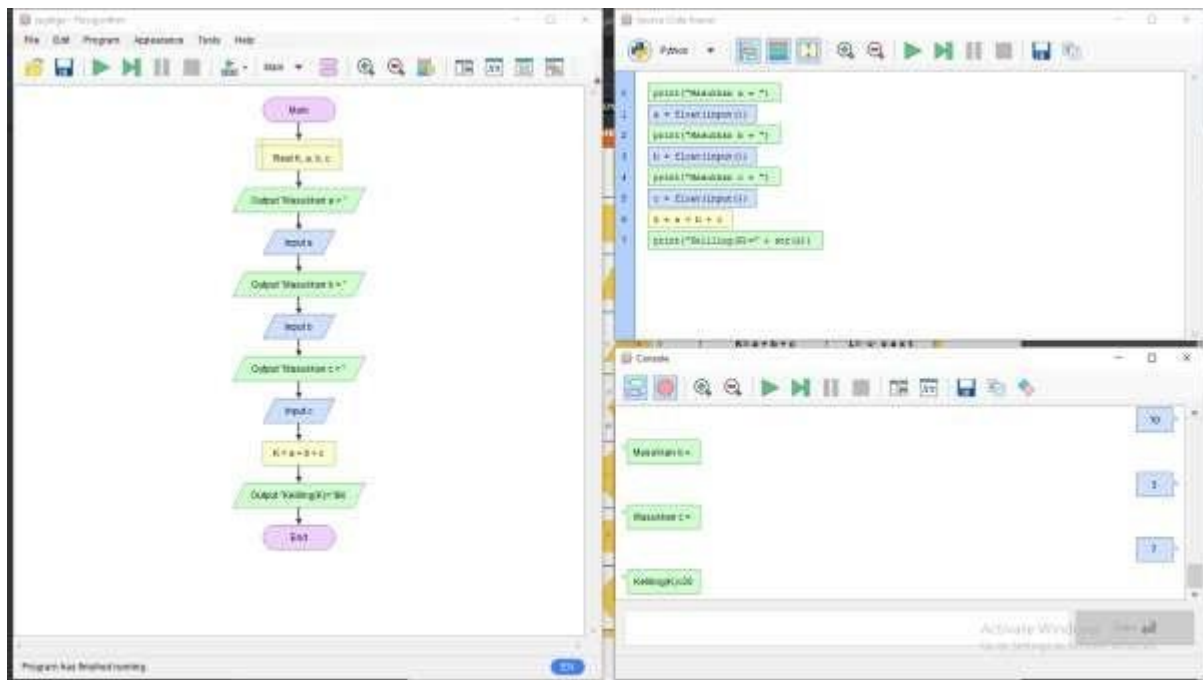


```
1 # Keliling Jajar Genjang
2 # Input: a, b, c, d
3 # Output: Keliling K
4 # Rumus: K = 2 * a + 2 * c + d
5
6 # Read input
7 a = input("Masukkan a = ")
8 b = input("Masukkan b = ")
9 c = input("Masukkan c = ")
10 d = input("Masukkan d = ")
11
12 # Calculate perimeter
13 K = 2 * a + 2 * c + d
14
15 # Print result
16 print("Keliling K = " + str(K))
```

Output:

```
Masukkan a =
Masukkan b =
Keliling K = 22
```

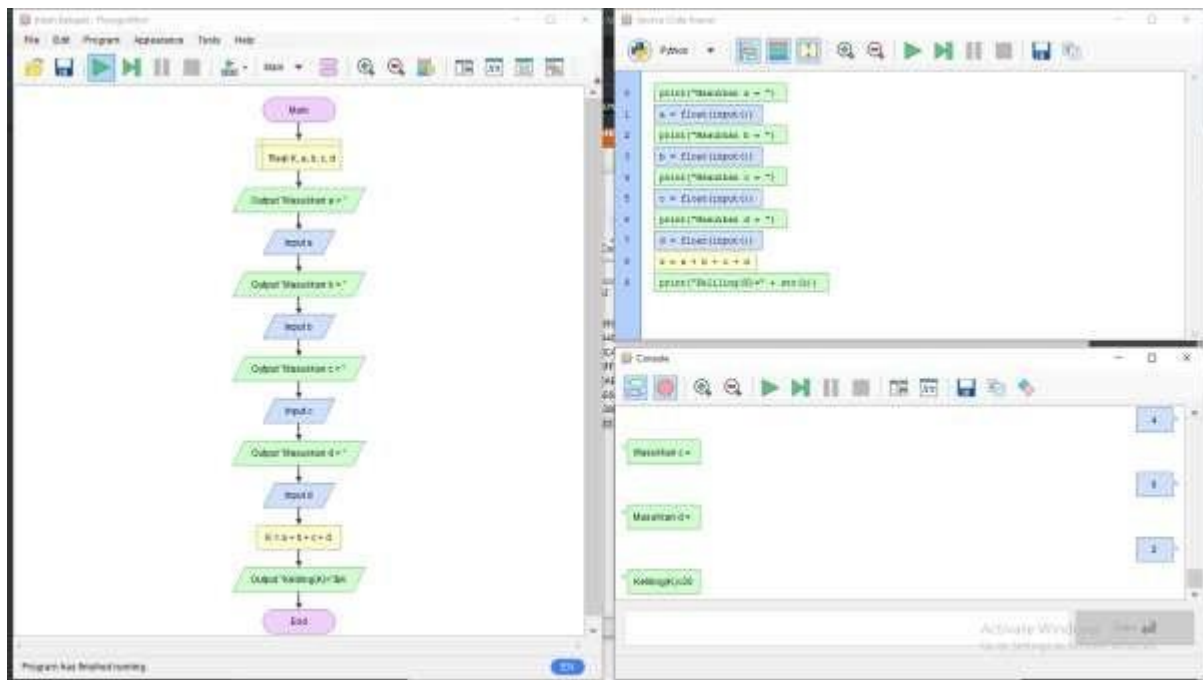
4. Keliling Segitiga



This screenshot shows the same Python code in a different IDE environment. The code is identical to the one in the first screenshot. The console window shows the execution output:

```
Masukkan a = 10
Masukkan b = 5
Masukkan c = 7
Keliling K = 22
```

5. Keliling Belah Ketupat

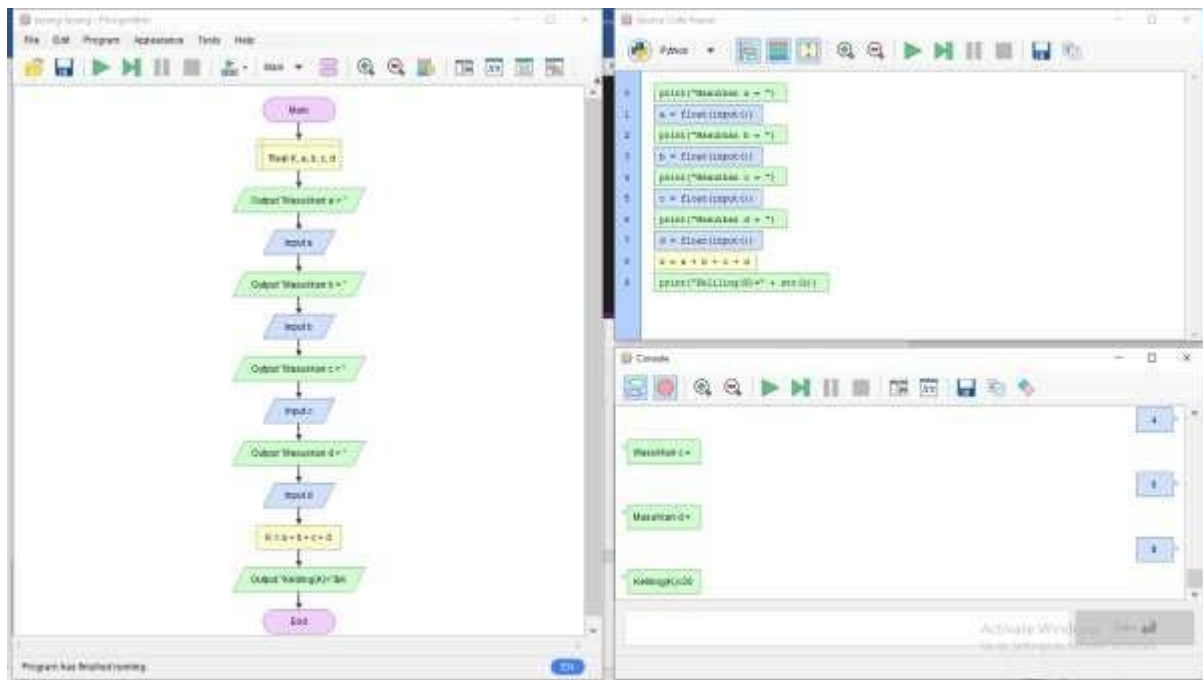


This screenshot shows the same Python code as the first screenshot, but the console output is different. The user has entered values for a, b, c, and d, and the program has calculated the perimeter K. The output shows "Masukkan a =", "Masukkan b =", "Masukkan c =", and "Keliling K=20".

```
print("Masukkan a = ")
a = float(input())
print("Masukkan b = ")
b = float(input())
print("Masukkan c = ")
c = float(input())
print("Masukkan d = ")
d = float(input())
K = a + b + c + d
print("Keliling K=" + str(K))
```

Activate Windows
Go to Settings to activate Windows.

6. Keliling layang-layang



The screenshot shows a Windows 10 desktop environment. The primary focus is the Visual Studio Code (VS Code) application, which is open and displaying a C++ source file named 'math.cpp'. The code in the file is as follows:

```

1 // math.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    int sum = a + b;
11    cout << "Sum: " << sum << endl;
12    return 0;
13 }

```

Below the editor, the VS Code output window is visible, showing the compilation and execution process:

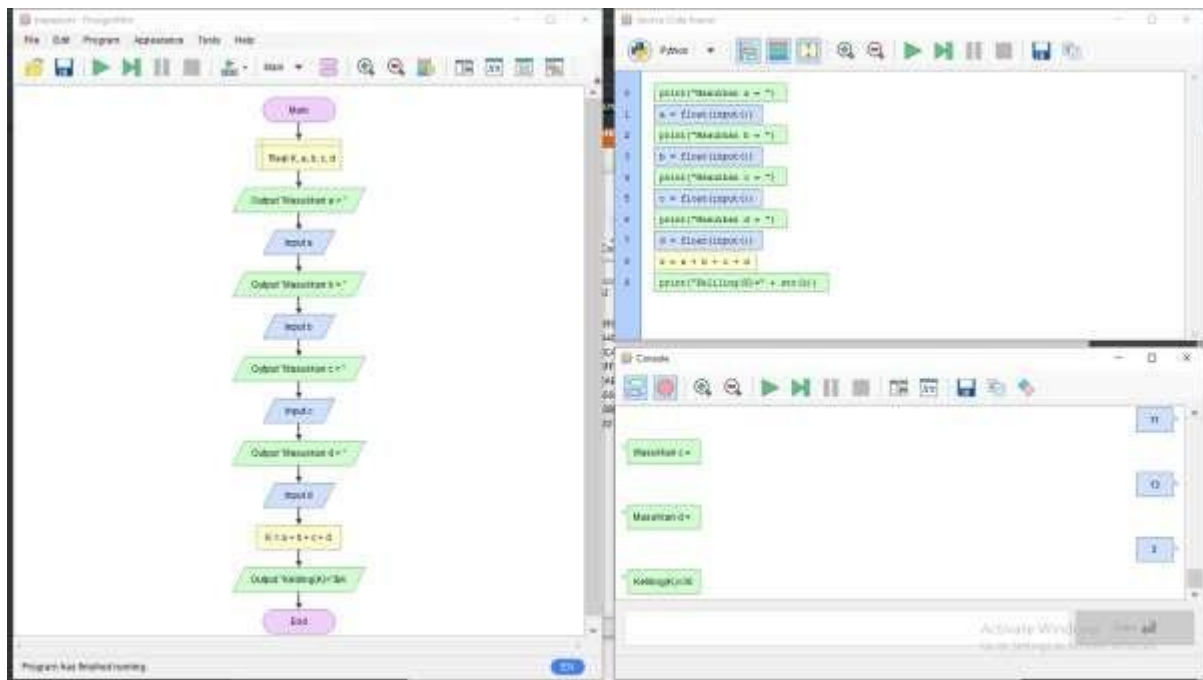
```

g++ math.cpp -o math.exe
./math.exe
Enter two numbers: 5 5
Sum: 10

```

The Windows taskbar at the bottom of the screen contains the Start button, a search bar, and several pinned and open applications: File Explorer, Visual Studio Code, and a terminal window. The system tray in the bottom right corner displays the date and time as '10/11/2023, 10:10 AM'. An 'Activate Windows' watermark is visible in the bottom right corner of the desktop.

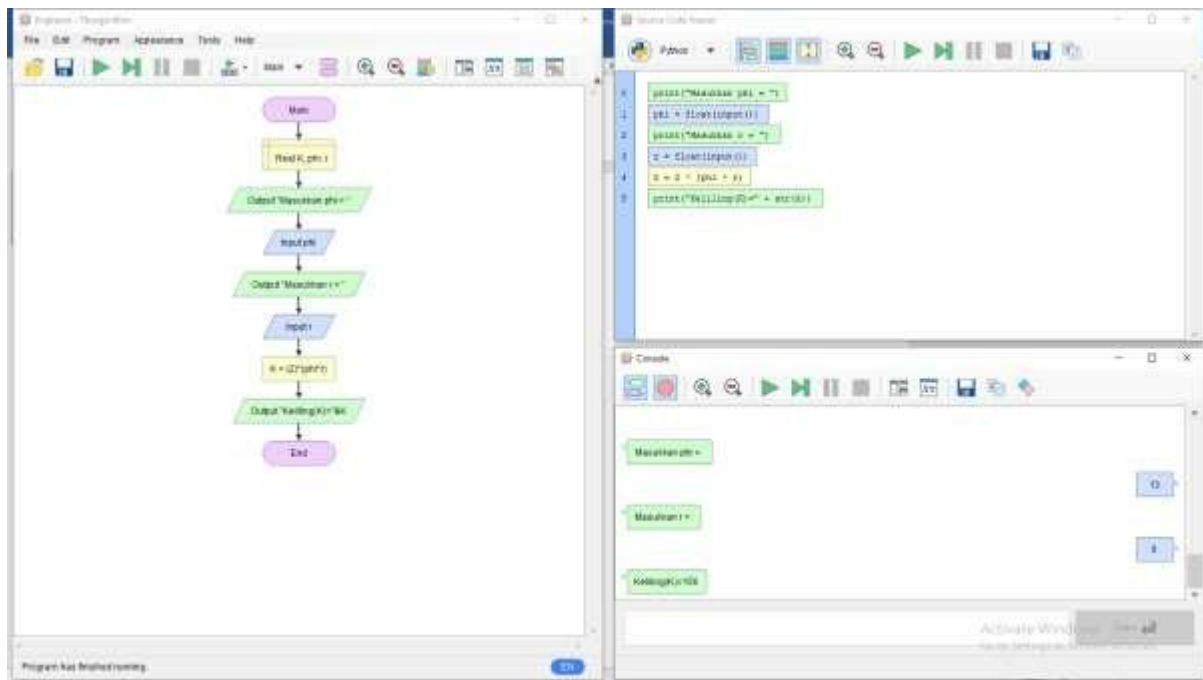
7. Keliling Trapesium



This screenshot shows the same Python code in a dark-themed IDE. The code is identical to the one in the first screenshot. Below the code editor, there is a terminal window showing the output of the program. The output displays the prompts and user inputs for variables a, b, c, and d, followed by the calculated perimeter P.

```
python3.py
Masukkan a = 1
Masukkan b = 2
Masukkan c = 3
Masukkan d = 4
Keliling P = 10
```

8. Keliling Lingkaran



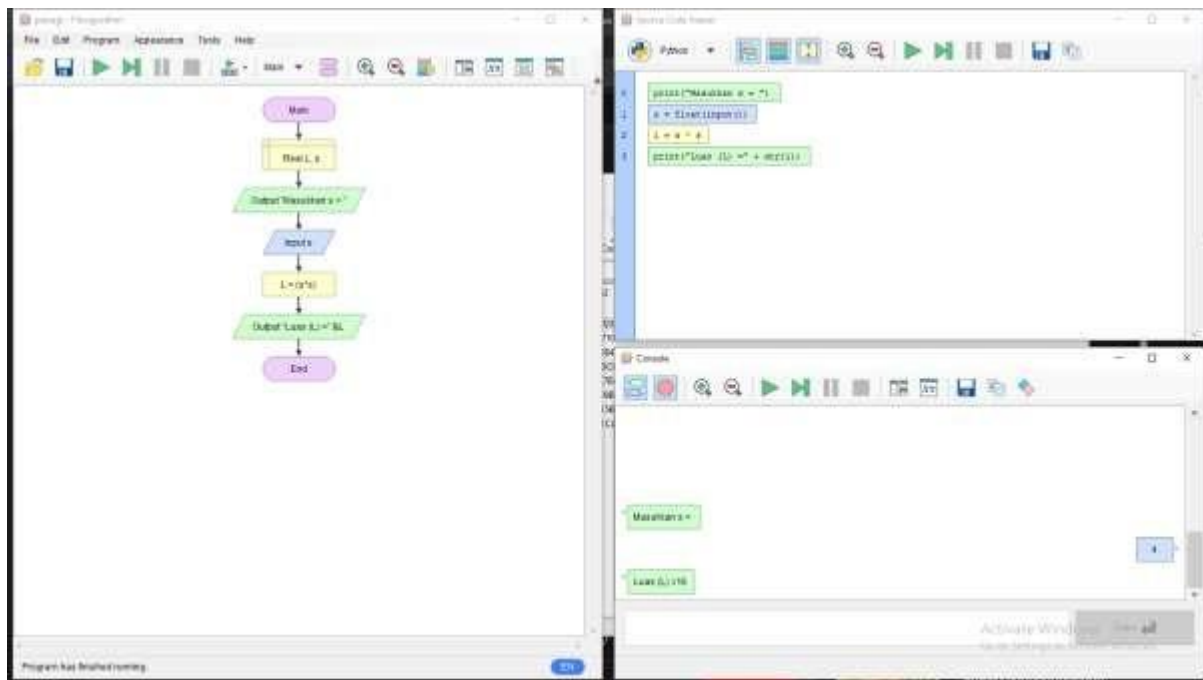
This screenshot shows the same Python IDE with the same code as the first screenshot, but with a dark background theme. The code is identical, and the console output is also visible, showing the same results: 'Masukkan phi =', 'Masukkan r =', and 'Keliling L = 16'.

```
1 print("Masukkan phi = ")
2 phi = float(input())
3 print("Masukkan r = ")
4 r = float(input())
5 s = 0.5 * phi * r
6 print("Keliling L = %s" % s)
```

Console Output:

```
Masukkan phi =
Masukkan r =
Keliling L = 16
```

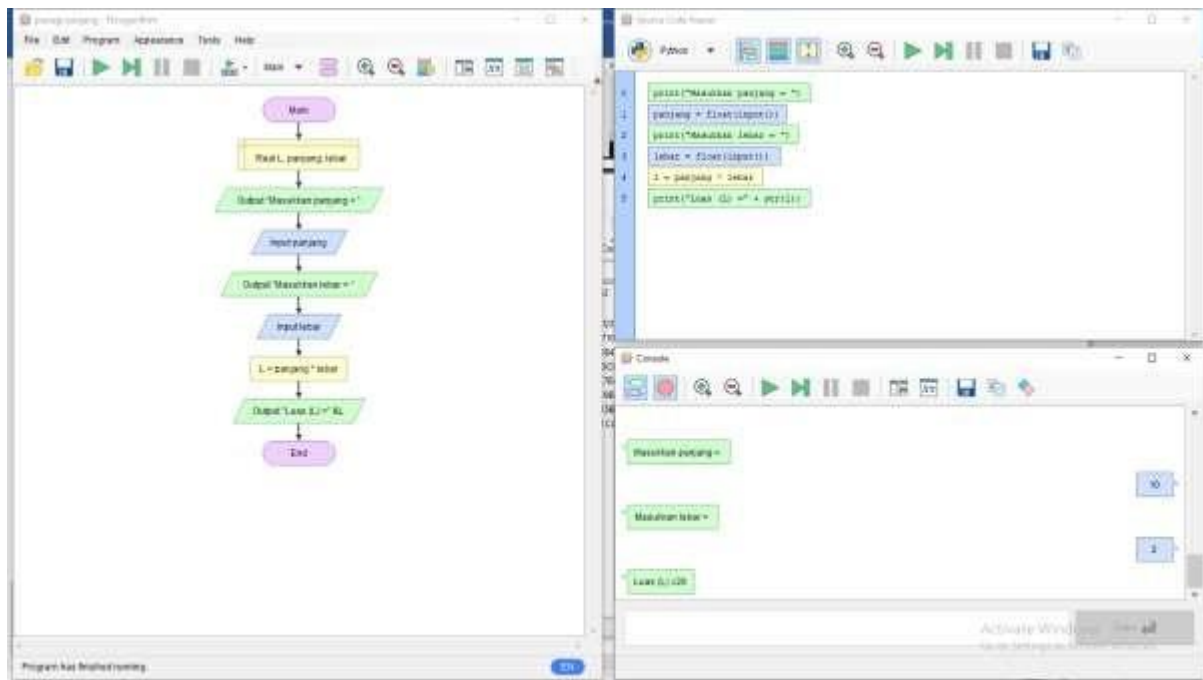

1. Luas Persegi



The screenshot shows a Windows 10 desktop environment. In the foreground, a Visual Studio Code editor window is open, displaying a C++ file named `main.cpp`. The code defines a function `sum` that takes two integers and returns their sum, and a `main` function that calls `sum` with arguments `10` and `20`, printing the result. The editor's interface includes a sidebar with icons for Explorer, Search, and Run and Debug, and a bottom status bar showing the file path `main.cpp` and the C++ language mode.

In the background, a Windows Security notification is visible in the bottom right corner, stating "Activate Windows" and "Go to Settings to activate Windows." The notification includes a "Go to Settings" button and a "Learn more" link.

2. Luas Persegi Panjang



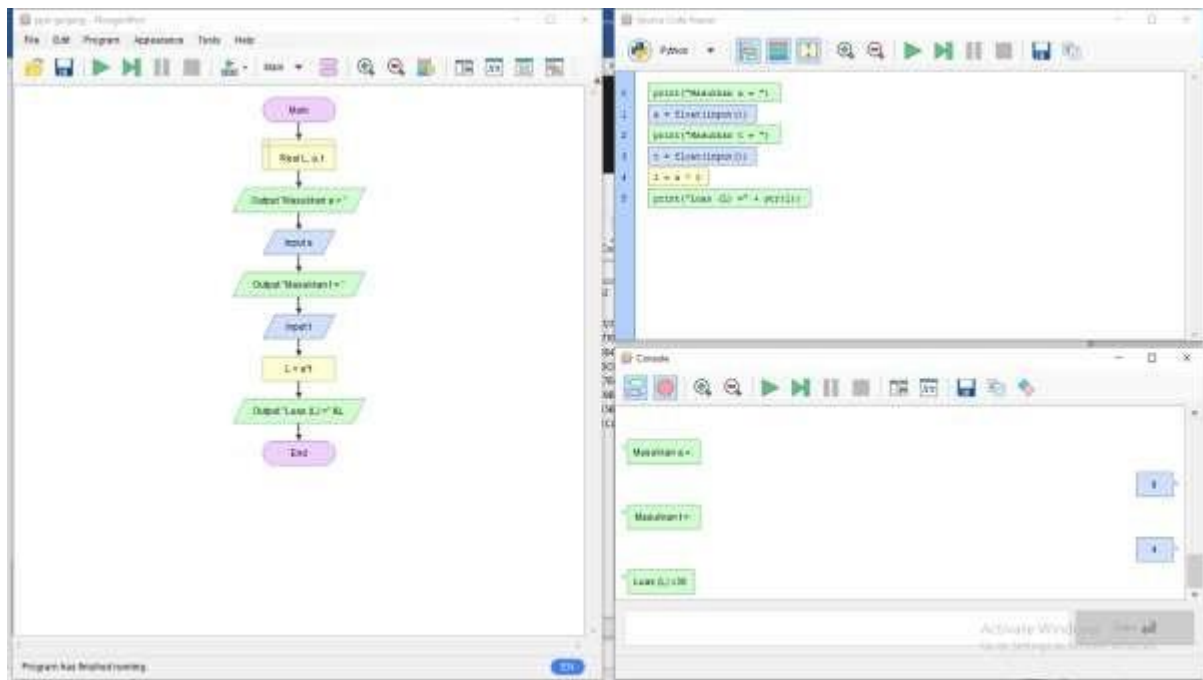
The screenshot displays a Python IDE with code for calculating the area of a rectangle. The code uses `input()` for input and `print()` for output. The console shows the inputs '10' and '1', and the output 'Luas 10'.

```
1 # Luas Persegi Panjang
2
3 # Input
4 panjang = input("Masukan panjang: ")
5 lebar = input("Masukan lebar: ")
6
7 # Output
8 L = int(panjang) * int(lebar)
9 print(f"Luas Persegi Panjang: {L}")
```

Console Output:

```
Masukan panjang: 10
Masukan lebar: 1
Luas Persegi Panjang: 10
```

3. Luas Jajar Genjang



This screenshot shows the same Python code as the previous image, but with the console output visible. The code is identical: it prompts for 'a' and 't', calculates the area 'L = a * t', and prints the result. The console shows the prompts and user inputs, followed by the calculated area 'Luas J = 36'. The IDE interface includes a file explorer on the left, a code editor in the center, and a console at the bottom.

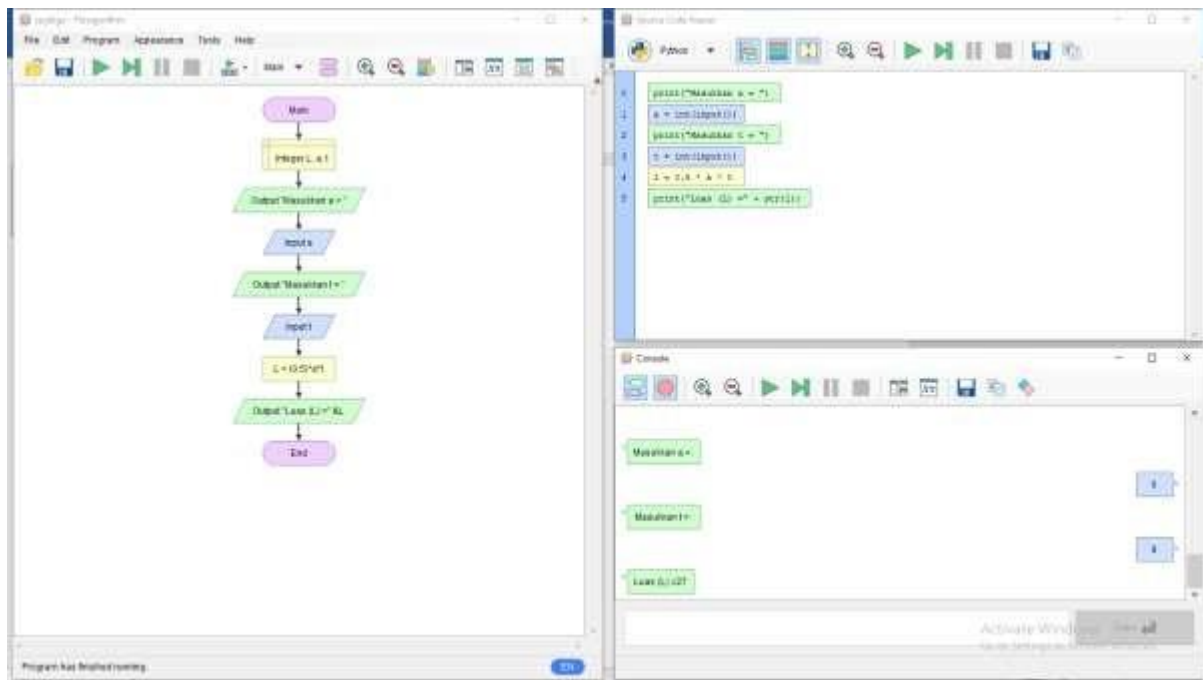
```
def main():
    print("Masukkan a = ")
    a = float(input())
    print("Masukkan t = ")
    t = float(input())
    L = a * t
    print("Luas J = " + str(L))

if __name__ == "__main__":
    main()
```

Console Output:

```
Masukkan a =
Masukkan t =
Luas J = 36
```

4. Luas Segitiga

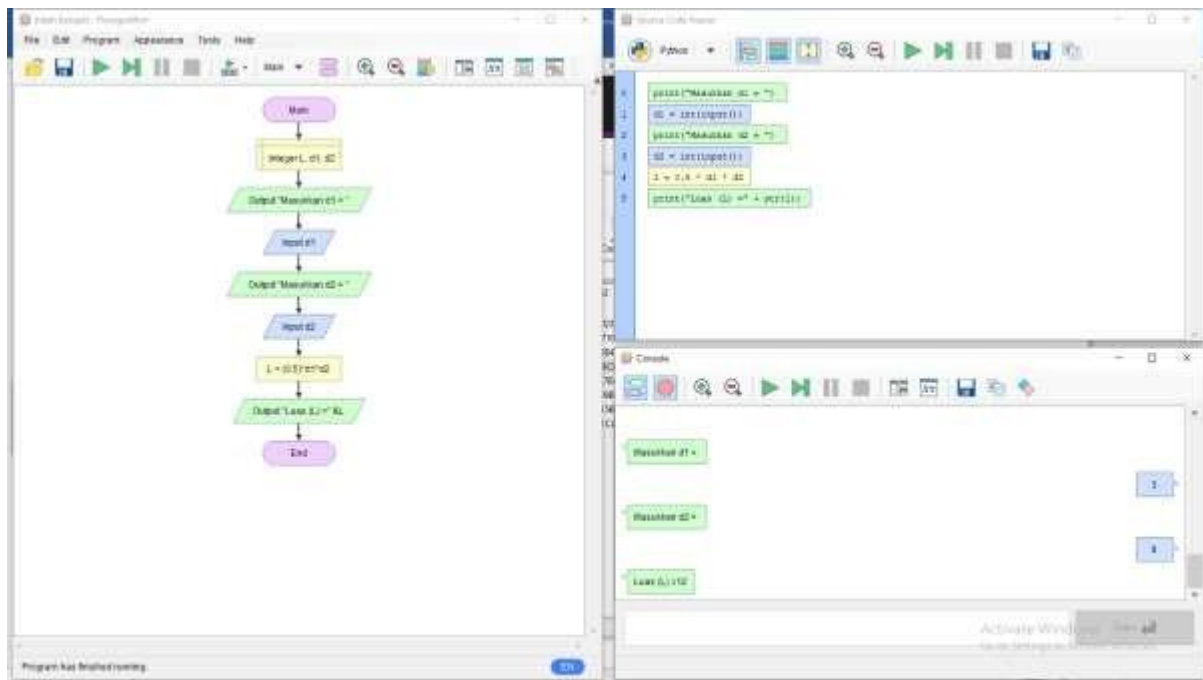


The screenshot shows a Windows Command Prompt window with the following commands and output:

```
C:\Users\user> python LuasSegitiga.py
Masukkan s =
Masukkan l =
Luas S = 127
```

The output matches the console output from the Python IDE.

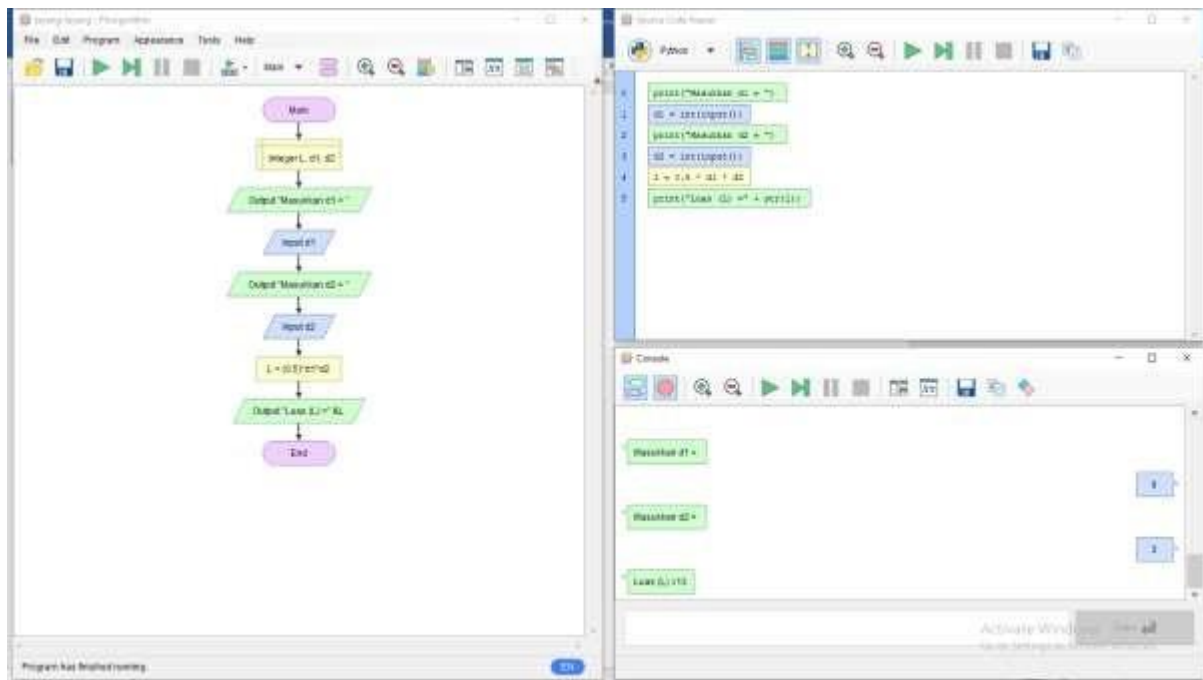
5. Belah Ketupat



```
1 print("Masukkan d1 = ")
2 d1 = int(input())
3 print("Masukkan d2 = ")
4 d2 = int(input())
5 L = (d1 + d2) / 2
6 print("Luar L: ") < L
```

Windows PowerShell
Copyright (c) Microsoft Corporation. All rights reserved.
Try the new cross-platform PowerShell <https://aka.ms/powershell>
PS C:\Users\Widzan> python c:\Users\Widzan\python\5.py
Masukkan d1 =
7
Masukkan d2 =
7
Luar L: 7.0
PS C:\Users\Widzan>

6. Luas Layang-layang

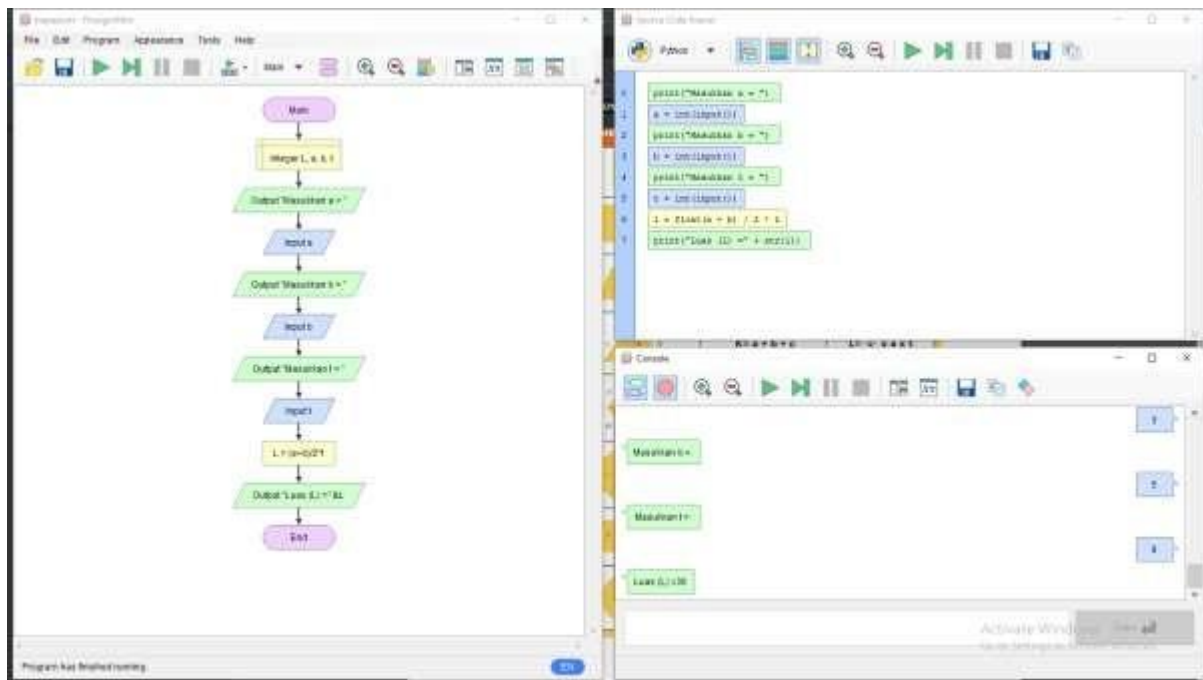


This screenshot shows the same Python IDE with the same code. A terminal window is open at the bottom, showing the execution of the program. The terminal output is: 'Masukkan d1 = 7', 'Masukkan d2 = 7', and 'Luas L: 24.5'.

```
print("Masukkan d1 = ")
d1 = int(input())
print("Masukkan d2 = ")
d2 = int(input())
L = 0.5 * d1 * d2
print("Luas L: %s" % L)
```

```
Python 3.8.5 Shell
C:\Users\Widya> python C:\Users\Widya\AppData\Local\Microsoft\WindowsApps\PythonSoftwareFoundation\Python38\python.exe
Masukkan d1 = 7
Masukkan d2 = 7
Luas L: 24.5
```

7. Luas Trapesium



The screenshot shows a terminal window where a Python script has been executed. The script prompts the user to input values for 'a', 'b', and 'L', and then outputs the calculated area. The output shows that for inputs a=2, b=3, and L=4, the area is 10.0.

```
python3 luas.py
Masukkan a = 2
Masukkan b = 3
Masukkan L = 4
Luas L = 10.0
```

8. Luas Lingkaran

