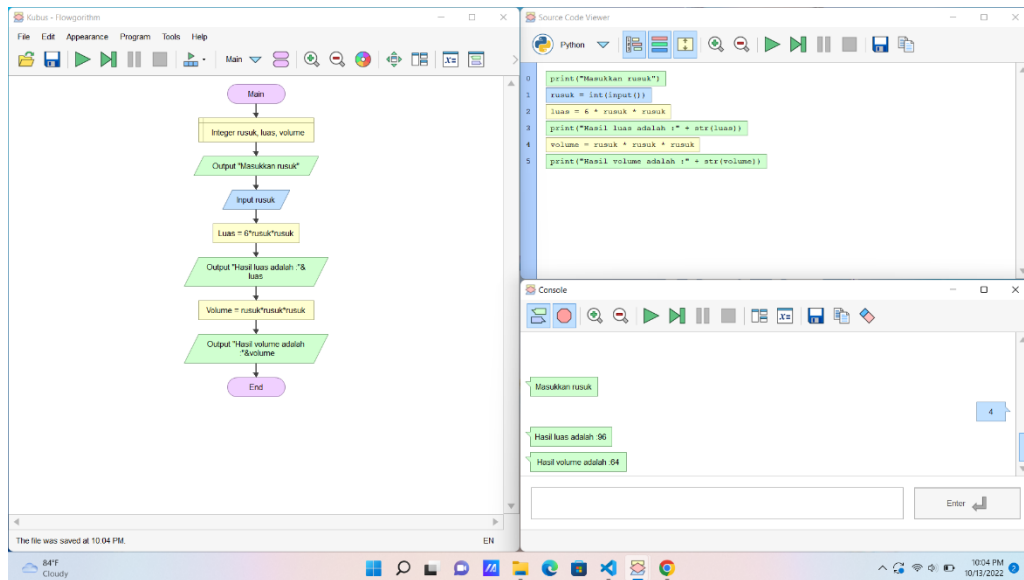


MINGGU II TUGAS 2

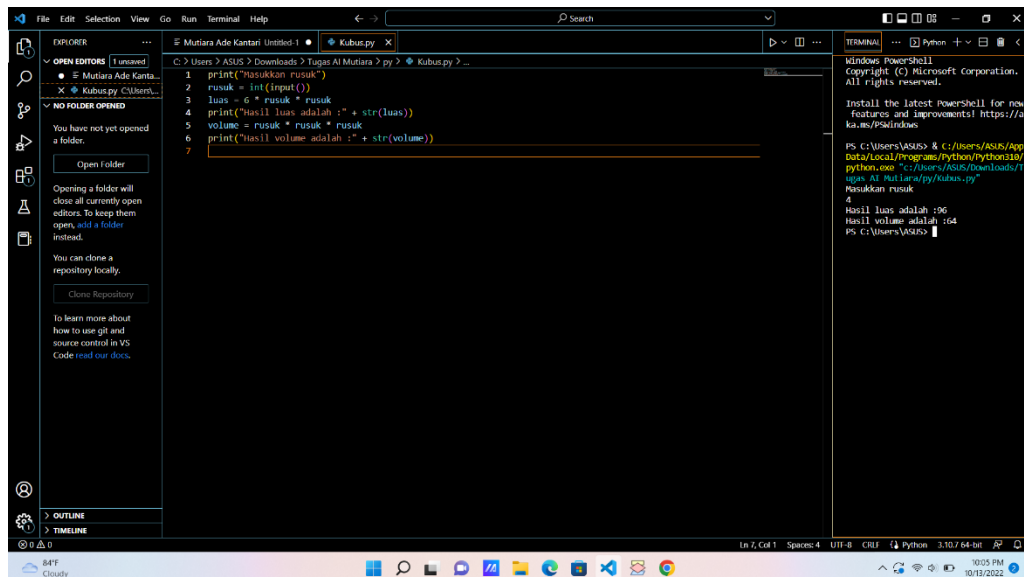
NAMA : MUTIARA ADE KANTARI

NIM : 211001065

1. Kubus



VS-code



2. Balok

The screenshot shows a Python IDE with a flowchart on the left and source code on the right. The flowchart starts with a 'Main' terminal, followed by a declaration 'Integer p, l, t, luas, volume'. It then prompts for input 'p', 'l', and 't', each followed by an 'Output' statement. The calculation for 'luas' is $2 * p * l + 2 * p * t + 2 * l * t$, and 'volume' is $p * l * t$. The program ends with 'End'.

```
0 print("Masukkan p")
1 p = int(input())
2 print("Masukkan l")
3 l = int(input())
4 print("Masukkan t")
5 t = int(input())
6 luas = 2 * p * l + 2 * p * t + 2 * l * t
7 print("Hasil luas adalah " + str(luas))
8 volume = p * l * t
9 print("Hasil volume adalah " + str(volume))
```

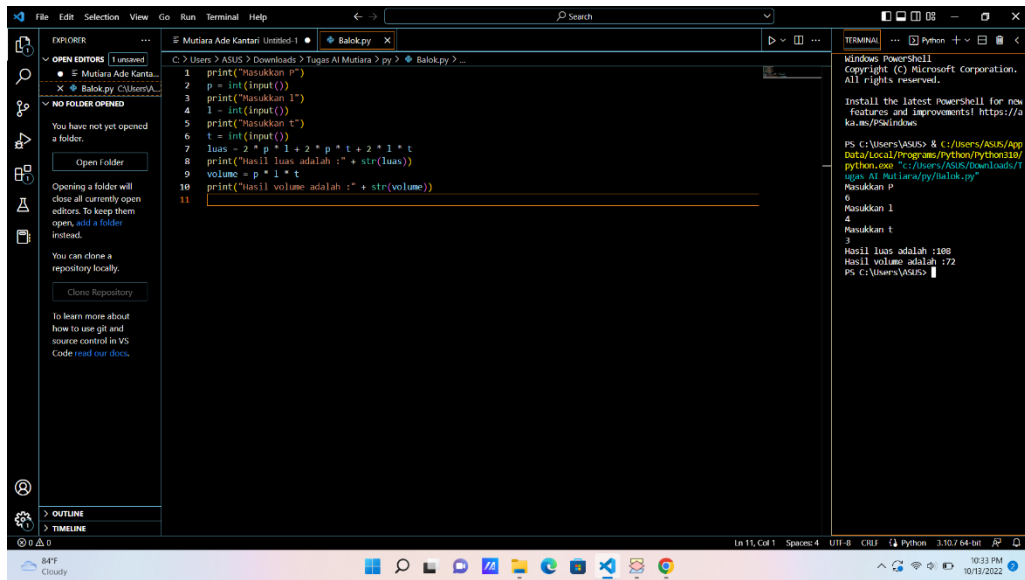
The console shows the prompts: 'Masukkan p', 'Masukkan l', and 'Masukkan t'. The input values are 6, 4, and 3 respectively.

The screenshot shows the same Python IDE, but now the console displays the results of the program execution. The output for 'luas' is 108 and for 'volume' is 72.

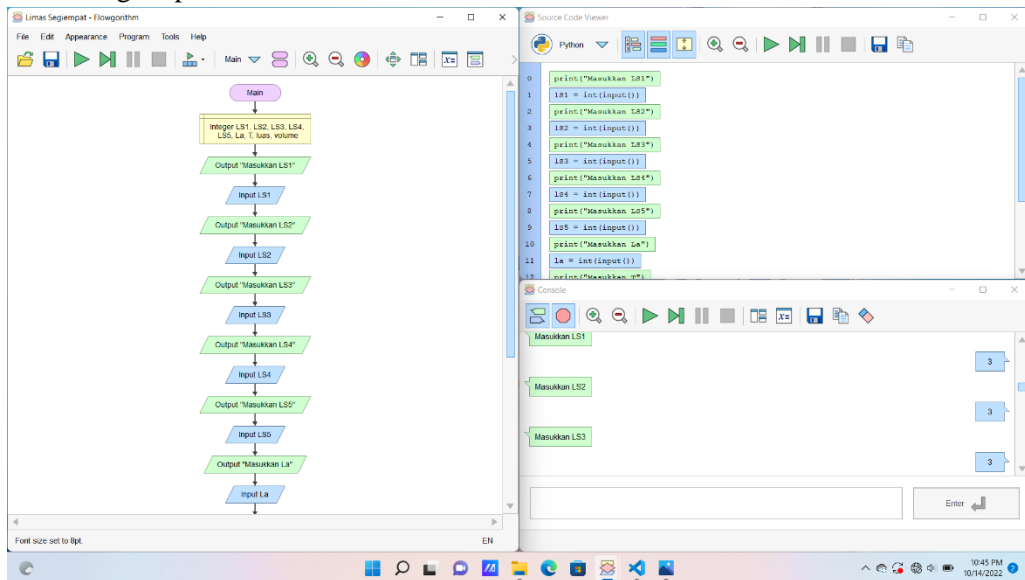
```
0 print("Masukkan p")
1 p = int(input())
2 print("Masukkan l")
3 l = int(input())
4 print("Masukkan t")
5 t = int(input())
6 luas = 2 * p * l + 2 * p * t + 2 * l * t
7 print("Hasil luas adalah " + str(luas))
8 volume = p * l * t
9 print("Hasil volume adalah " + str(volume))
```

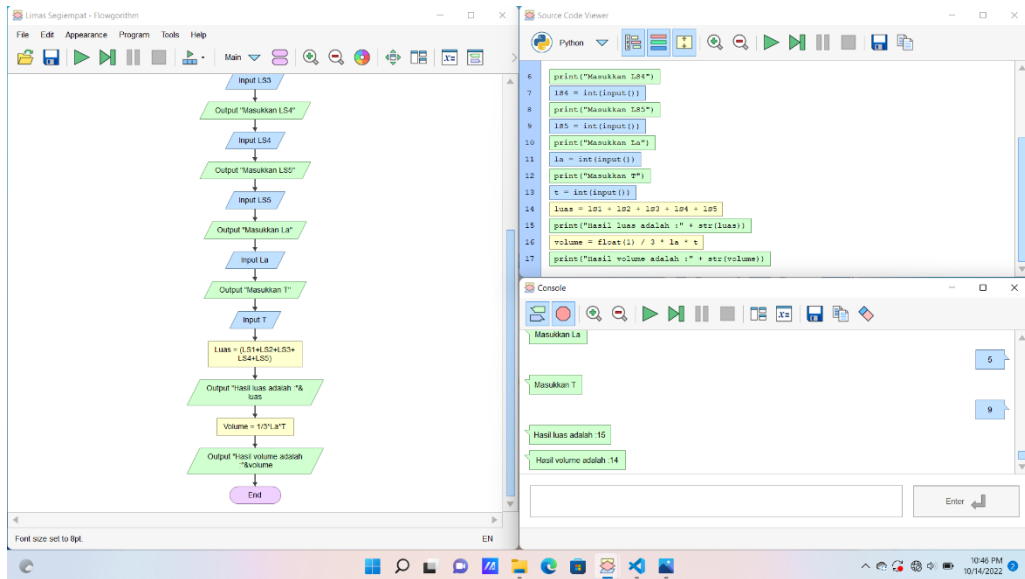
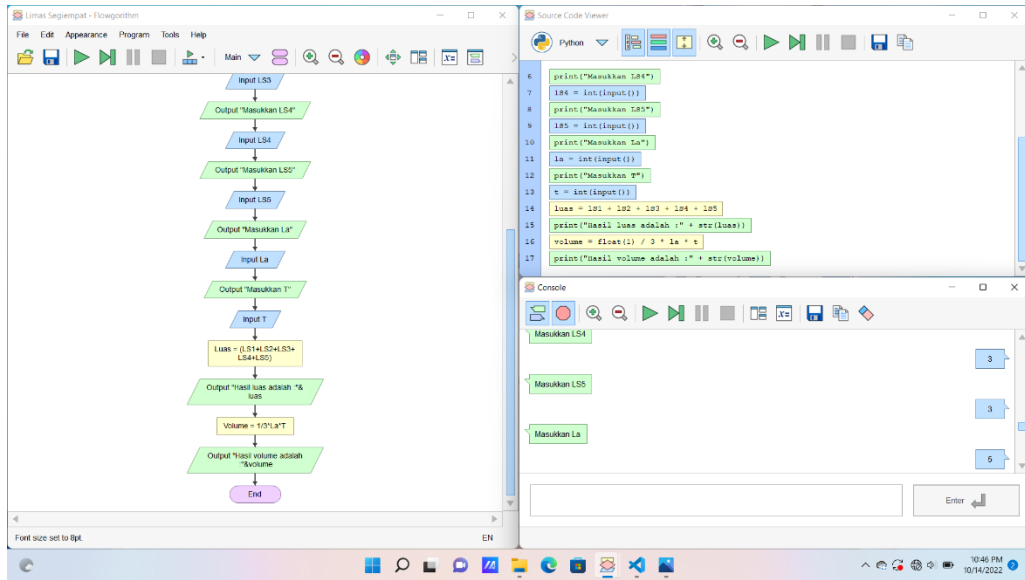
The console shows the prompts: 'Masukkan p', 'Masukkan l', and 'Masukkan t'. The input values are 6, 4, and 3 respectively. The output for 'luas' is 108 and for 'volume' is 72.

VS-code



3. Limas Segiempat





VS-code

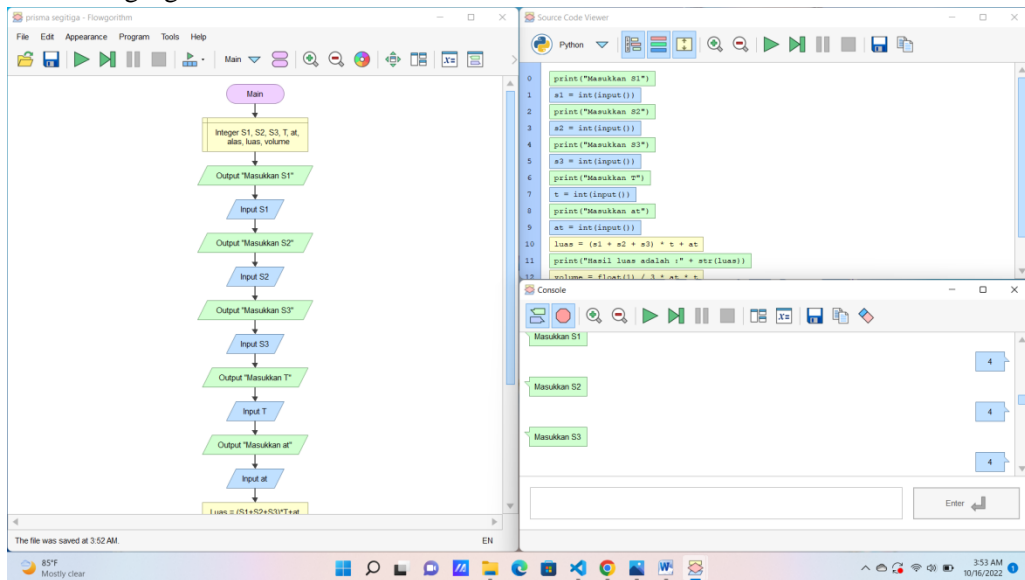
The screenshot shows the VS Code interface with a Python file named 'Limas Segiempat.py'. The code prompts the user to input five side lengths (LS1 to LS5) and a time value (t). It then calculates the total surface area (luas) and the volume of a triangular prism. The terminal output shows the results of the calculations.

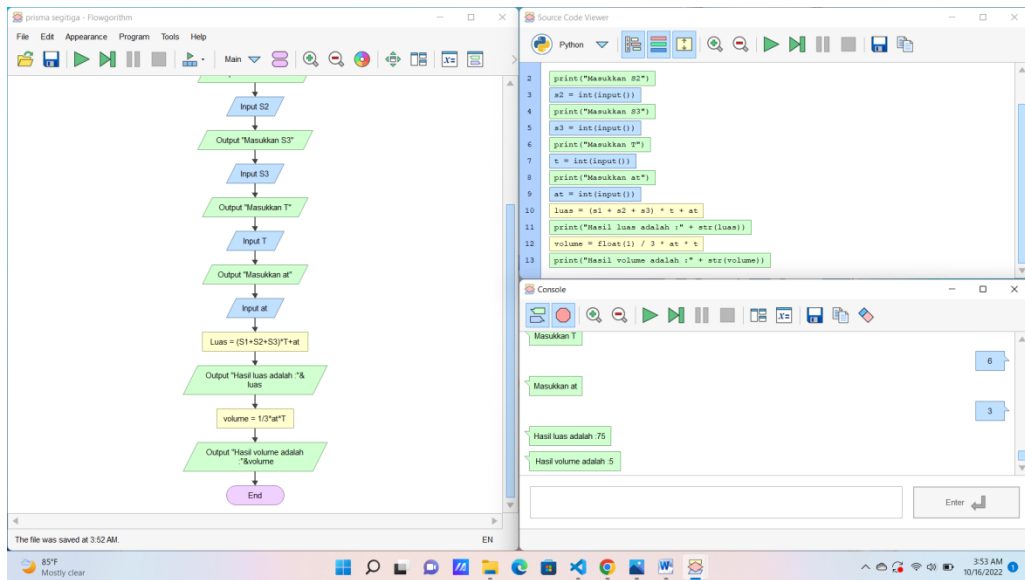
```
1 print("Masukkan LS1")
2 LS1 = int(input())
3 print("Masukkan LS2")
4 LS2 = int(input())
5 print("Masukkan LS3")
6 LS3 = int(input())
7 print("Masukkan LS4")
8 LS4 = int(input())
9 print("Masukkan LS5")
10 LS5 = int(input())
11 print("Masukkan t")
12 t = int(input())
13 print("Masukkan T")
14 t = int(input())
15 luas = LS1 + LS2 + LS3 + LS4 + LS5
16 print("hasil luas adalah : " + str(luas))
17 volume = float(luas) / 3 * t
18 print("hasil volume adalah : " + str(volume))
19
```

Terminal Output:

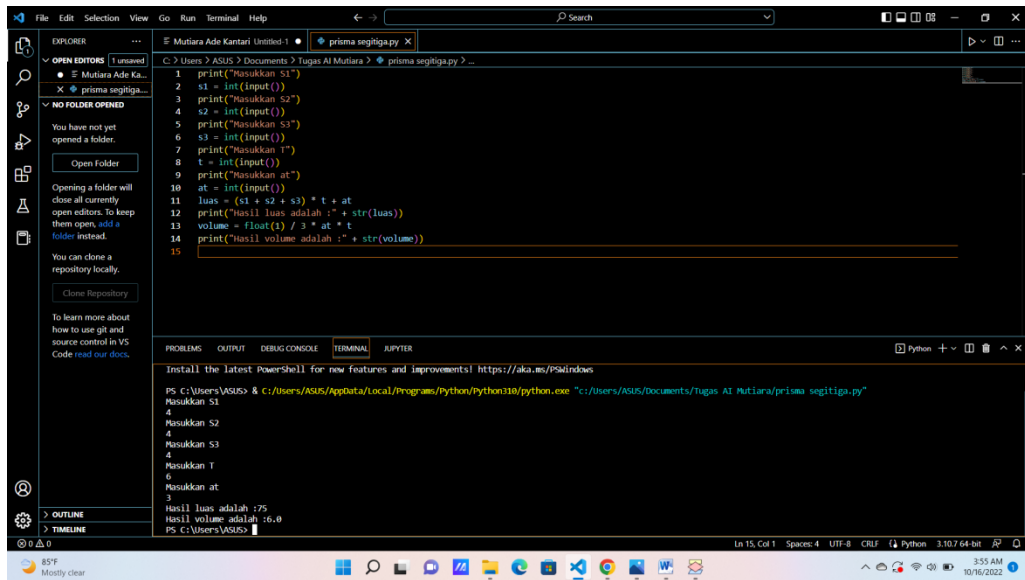
```
Masukkan LS2
3
Masukkan LS3
3
Masukkan LS4
3
Masukkan LS5
3
Masukkan t
3
Masukkan T
9
Hasil luas adalah :15
Hasil volume adalah :14.999999999999998
PS C:\Users\ASUS>
```

4. Prisma Segitiga





VS-code



5. Limas Segitiga

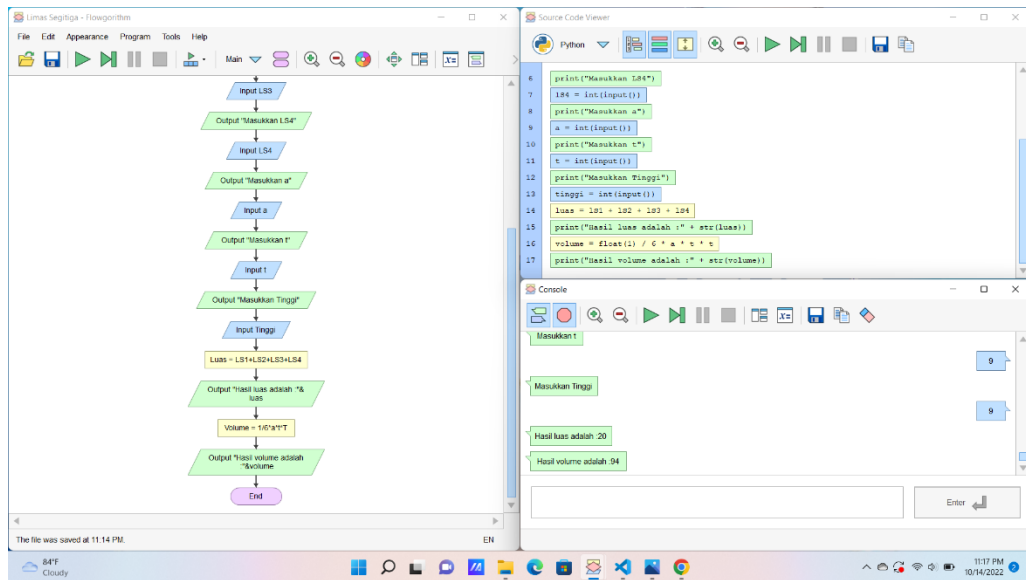
The image displays two screenshots of a Python IDE (likely PyCharm) showing the development of a program to calculate the volume of a triangular pyramid (Limas Segitiga).

Top Screenshot:

- Flowchart:** The flowchart starts with a 'Main' node, followed by a process node 'Integer L1, L2, L3, L4, a, t, Tinggi, luas, volume'. It then proceeds through a series of input and output steps: 'Output "Masukkan L1"', 'Input L1', 'Output "Masukkan L2"', 'Input L2', 'Output "Masukkan L3"', 'Input L3', 'Output "Masukkan L4"', 'Input L4', 'Output "Masukkan a"', 'Input a', 'Output "Masukkan t"', and 'Input t'.
- Source Code Viewer:** The code defines variables for L1, L2, L3, L4, a, t, Tinggi, luas, and volume. It prompts the user to input each value and stores them in the respective variables.
- Console:** The console shows the prompts 'Masukkan L1', 'Masukkan L2', and 'Masukkan L3' with the values 5, 5, and 5 entered respectively.

Bottom Screenshot:

- Flowchart:** The flowchart continues from the previous steps. It calculates the area of the base triangle: 'Luas = L1+L2+L3+L4', followed by 'Output "Masukkan Luas"', 'Input Luas', 'Output "Masukkan a"', 'Input a', 'Output "Masukkan t"', 'Input t', 'Output "Masukkan Tinggi"', 'Input Tinggi', and finally 'End'.
- Source Code Viewer:** The code continues with calculations: 'tinggi = int(input())', 'luas = L1 + L2 + L3 + L4', 'print("Masukkan Luas adalah : " + str(luas))', 'volume = float(l) / 6 * a * t * t', and 'print("Masukkan volume adalah : " + str(volume))'.
- Console:** The console shows the prompts 'Masukkan L4', 'Masukkan a', and 'Masukkan t' with the values 5, 7, and 9 entered respectively.



VS-code

```

1 print("Masukkan LS1")
2 LS1 = int(input())
3 print("Masukkan LS2")
4 LS2 = int(input())
5 print("Masukkan LS3")
6 LS3 = int(input())
7 print("Masukkan LS4")
8 LS4 = int(input())
9 print("Masukkan a")
10 a = int(input())
11 print("Masukkan t")
12 t = int(input())
13 print("Masukkan Tinggi")
14 tinggi = int(input())
15 luas = 1/2 * LS2 * LS3 + LS4
16 print("hasil luas adalah :  
" + str(luas))
17 volume = float(1) / 3 * a * t * t
18 print("hasil volume adalah :  
" + str(volume))
19

```

The terminal output in VS Code is as follows:

```

5
Masukkan LS2
5
Masukkan LS3
5
Masukkan LS4
5
Masukkan a
Masukkan t
Masukkan Tinggi
9
hasil luas adalah :20
hasil volume adalah :94.49999999999999
PS C:\Users\ASUS>

```

6. Tabung (Selinder)

tabung - Flowgorithm

Integer r

Integer luas, volume, phi, T

Output "Masukkan r"

Input r

Output "Masukkan phi"

Input phi

Output "Masukkan T"

Input T

luas = $2 \times 3.14 \times r \times T$

Output "Hasil luas adalah "& luas

volume = $3.14 \times r^2 \times T$

Output "Hasil volume adalah "& volume

The file was saved at 4:33 AM

EN

Source Code Viewer

```
Python
0 print("Masukkan r")
1 r = int(input())
2 print("Masukkan phi")
3 phi = int(input())
4 print("Masukkan T")
5 T = int(input())
6 luas = 2 * 3.14 * r * T
7 print("Hasil luas adalah " + str(luas))
8 volume = 3.14 * r * r * T
9 print("Hasil volume adalah " + str(volume))
```

Console

Masukkan r

Masukkan phi

Masukkan T

9

3.14

6

Enter

tabung - Flowgorithm

Integer r

Integer luas, volume, phi, T

Output "Masukkan r"

Input r

Output "Masukkan phi"

Input phi

Output "Masukkan T"

Input T

luas = $2 \times 3.14 \times r \times T$

Output "Hasil luas adalah "& luas

volume = $3.14 \times r^2 \times T$

Output "Hasil volume adalah "& volume

The file was saved at 4:33 AM

EN

Source Code Viewer

```
Python
0 print("Masukkan r")
1 r = int(input())
2 print("Masukkan phi")
3 phi = int(input())
4 print("Masukkan T")
5 T = int(input())
6 luas = 2 * 3.14 * r * T
7 print("Hasil luas adalah " + str(luas))
8 volume = 3.14 * r * r * T
9 print("Hasil volume adalah " + str(volume))
```

Console

Masukkan phi

Masukkan T

3.14

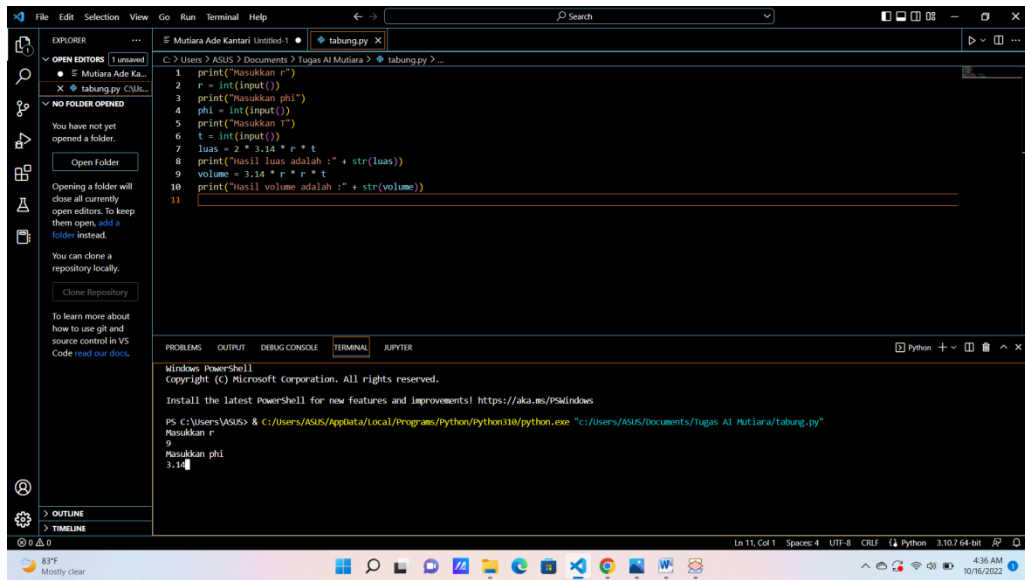
6

Hasil luas adalah 338

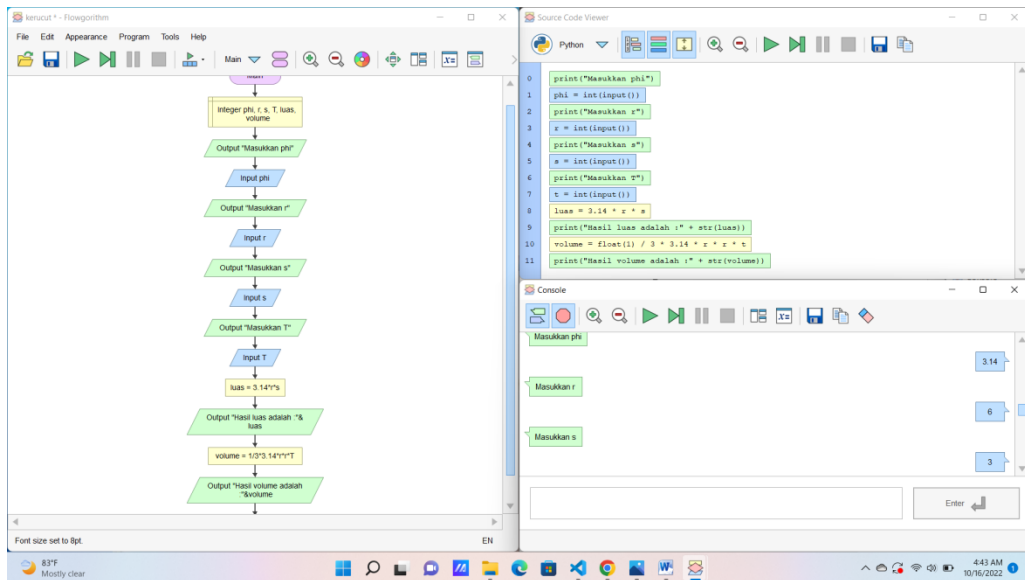
Hasil volume adalah 1526

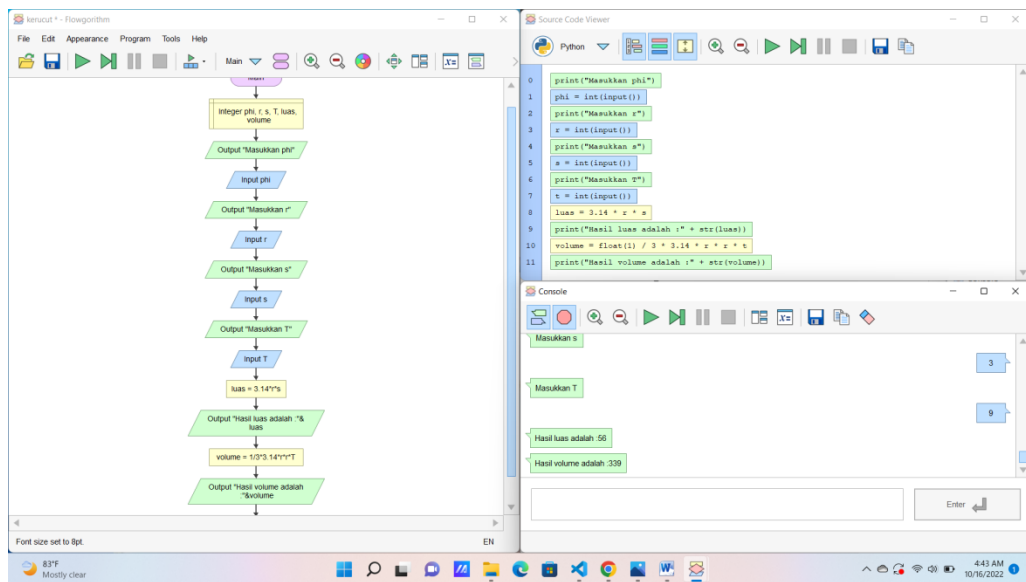
Enter

VS-code

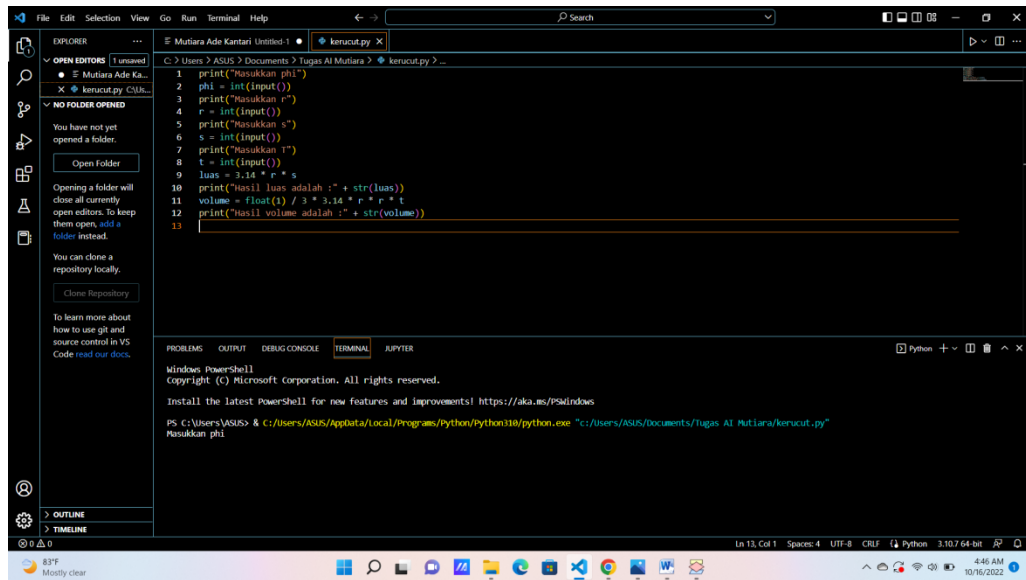


7. Kerucut





VS-code



8. Bola

VS-code