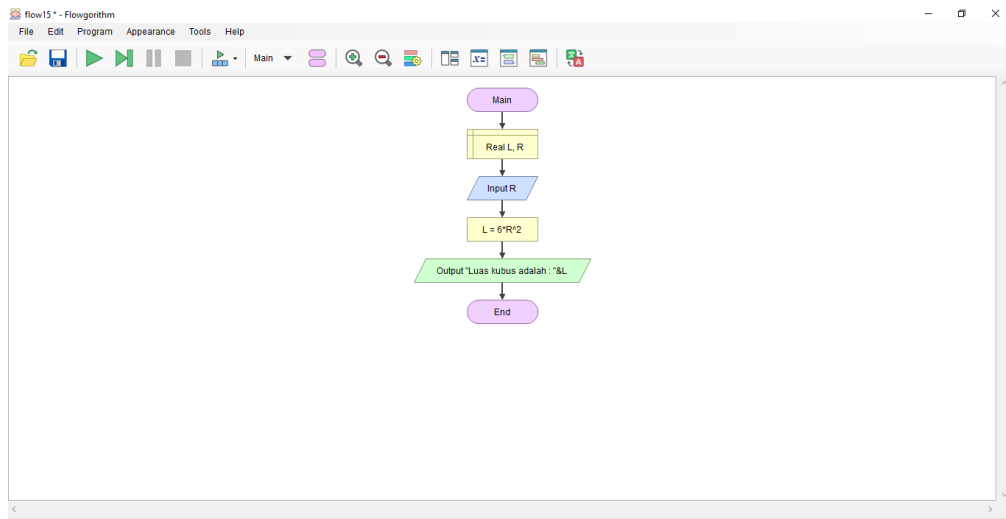


Membuat Flowchart Dengan Menggunakan Flowgorithm Berdasarkan Setiap Rumus Luas Permukaan dan Volume Bangun Ruang

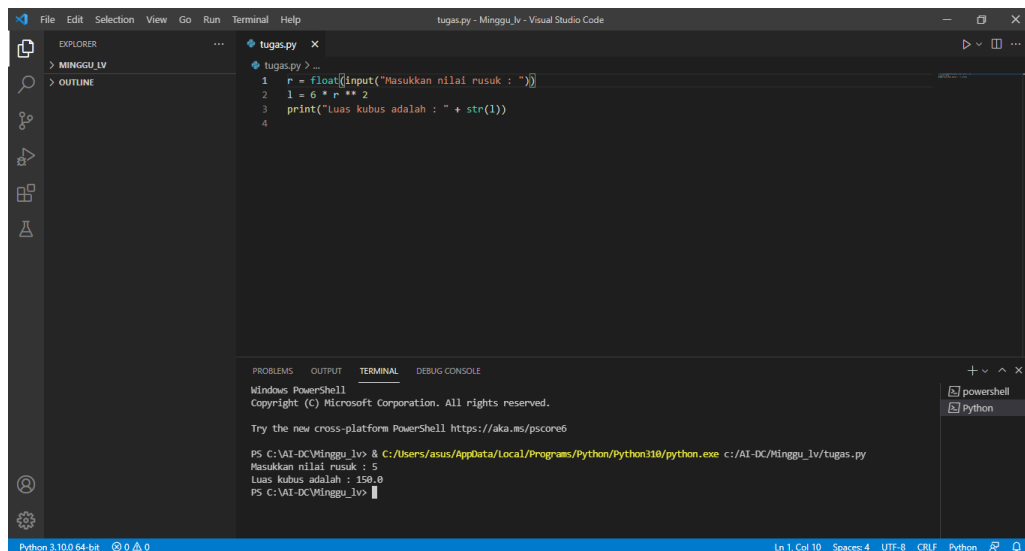
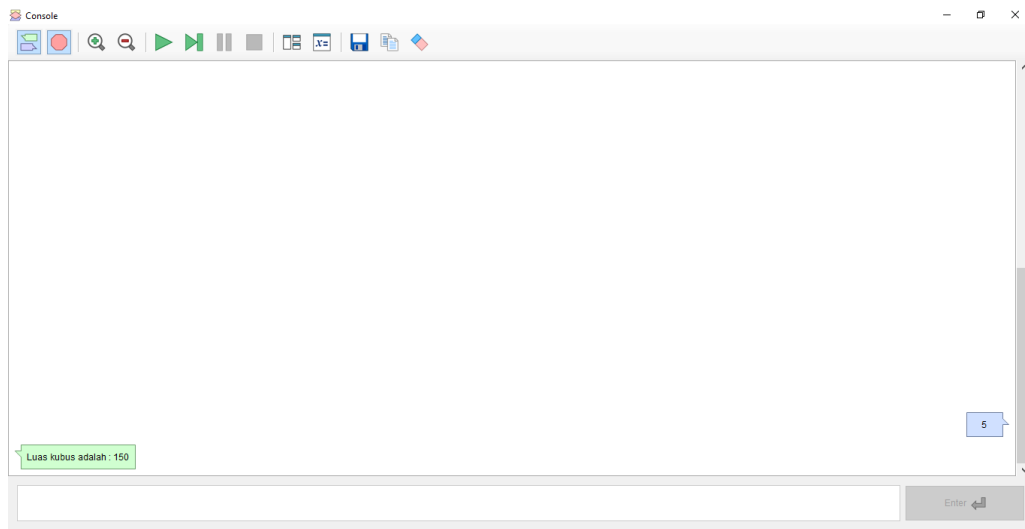
Luas Permukaan

1. Luas Kubus

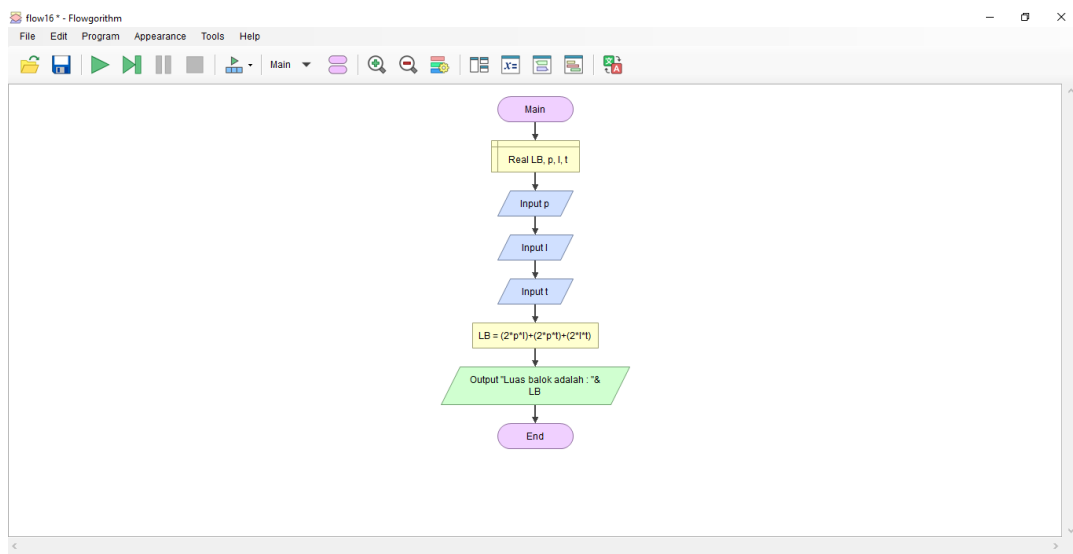


```
0 r = float(input())
1 l = 6 * r ** 2
2 print("Luas kubus adalah : " + str(l))
```

The Source Code Viewer displays the Python code corresponding to the flowchart: `r = float(input())`, `l = 6 * r ** 2`, and `print("Luas kubus adalah : " + str(l))`.

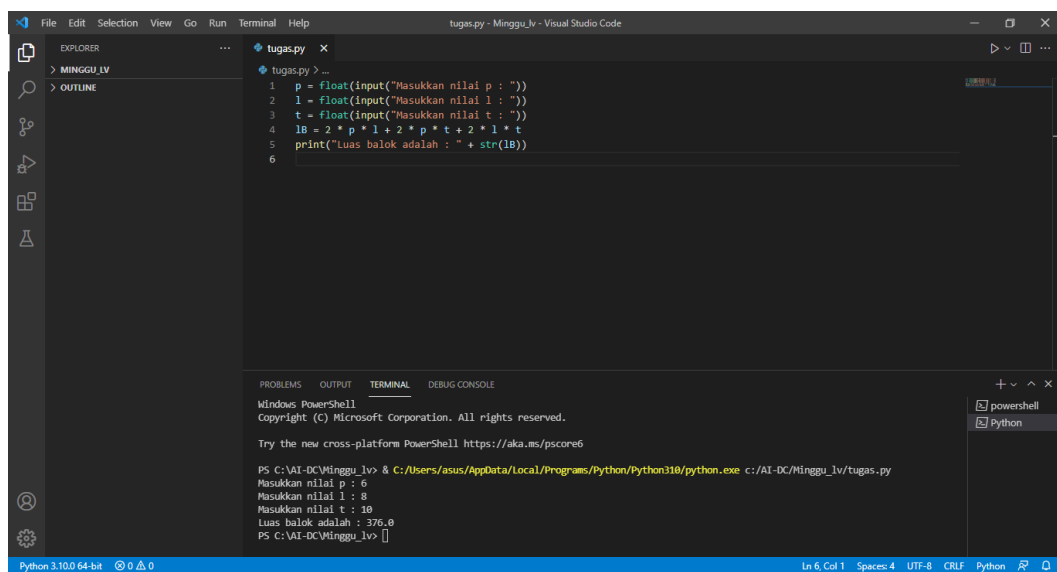
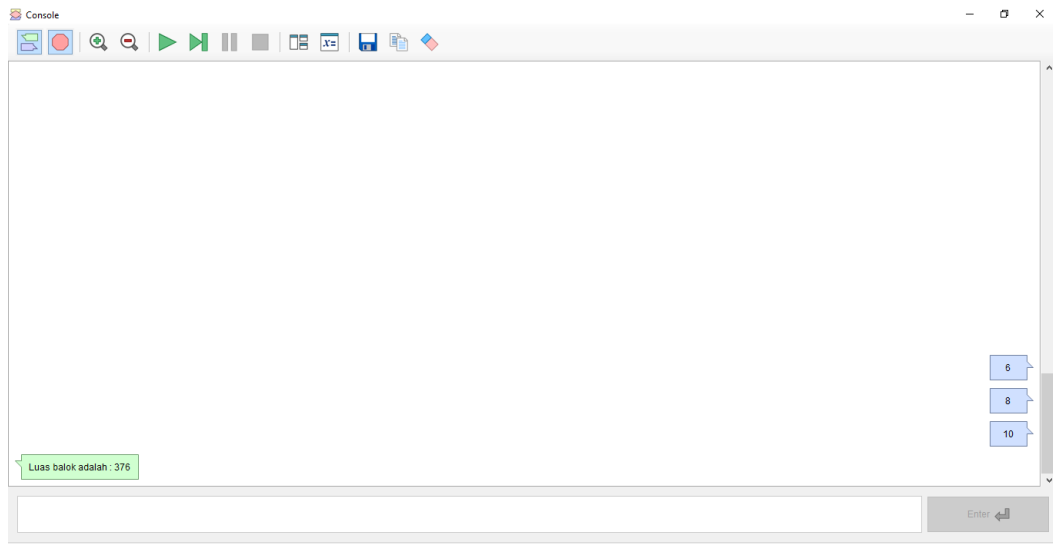


2. Luas Balok

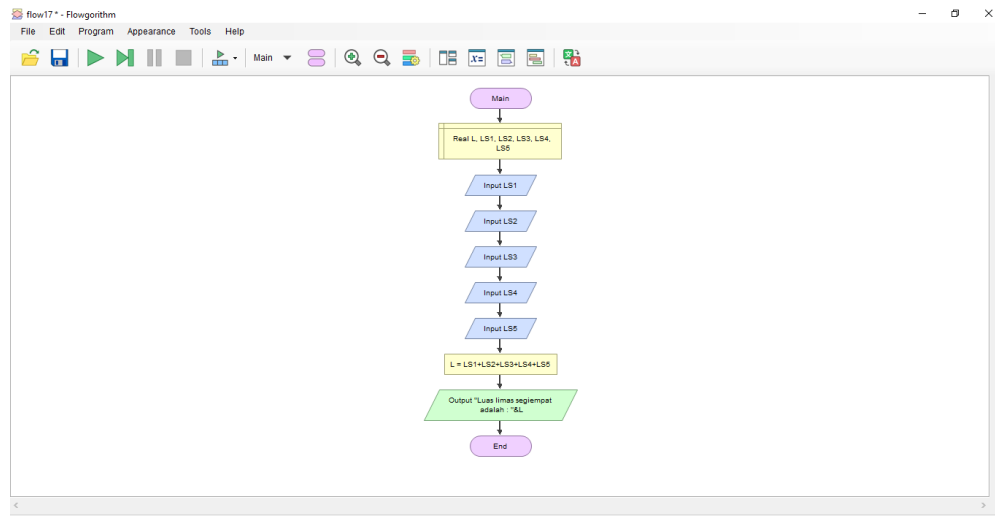


Source Code Viewer

```
0 p = float(input())
1 l = float(input())
2 t = float(input())
3 lb = 2 * p * l + 2 * p * t + 2 * l * t
4 print("Luas balok adalah : " + str(lb))
```



3. Luas Limas Segi Empat



Source Code Viewer

```
Python
0  l51 = float(input())
1  l52 = float(input())
2  l53 = float(input())
3  l54 = float(input())
4  l55 = float(input())
5  l = l51 + l52 + l53 + l54 + l55
6  print("Luas limas segiempat adalah : " + str(l))
```

Console

```
Luas limas segiempat adalah : 25
```

5
5
5
5
5

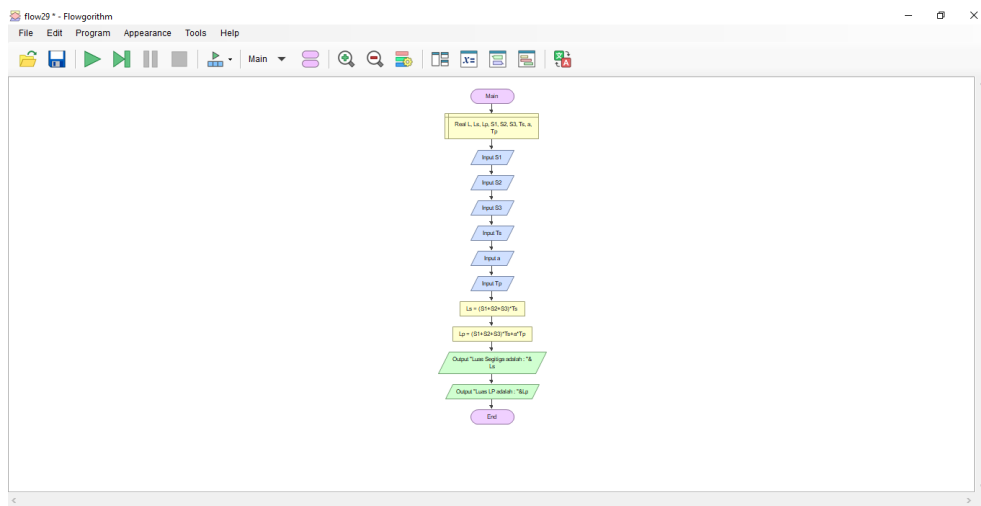
Enter

The image shows a Visual Studio Code window with a Python file named `tugas.py`. The code in the file is as follows:

```
1 l51 = float(input("Masukkan nilai l51 : "))
2 l52 = float(input("Masukkan nilai l52 : "))
3 l53 = float(input("Masukkan nilai l53 : "))
4 l54 = float(input("Masukkan nilai l54 : "))
5 l55 = float(input("Masukkan nilai l55 : "))
6 l = l51 + l52 + l53 + l54 + l55
7 print("Luas limas segiempat adalah : " + str(l))
8
```

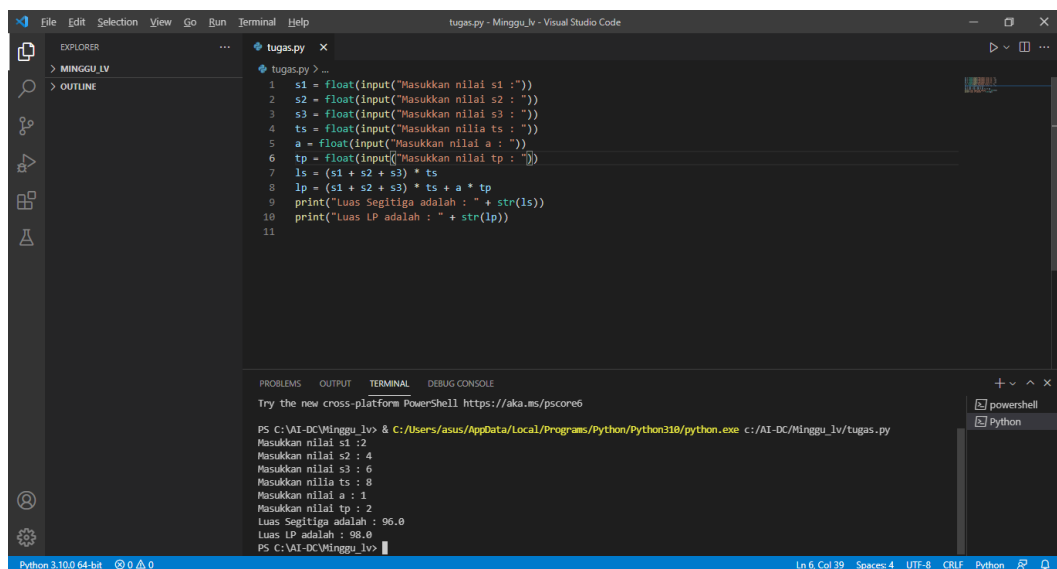
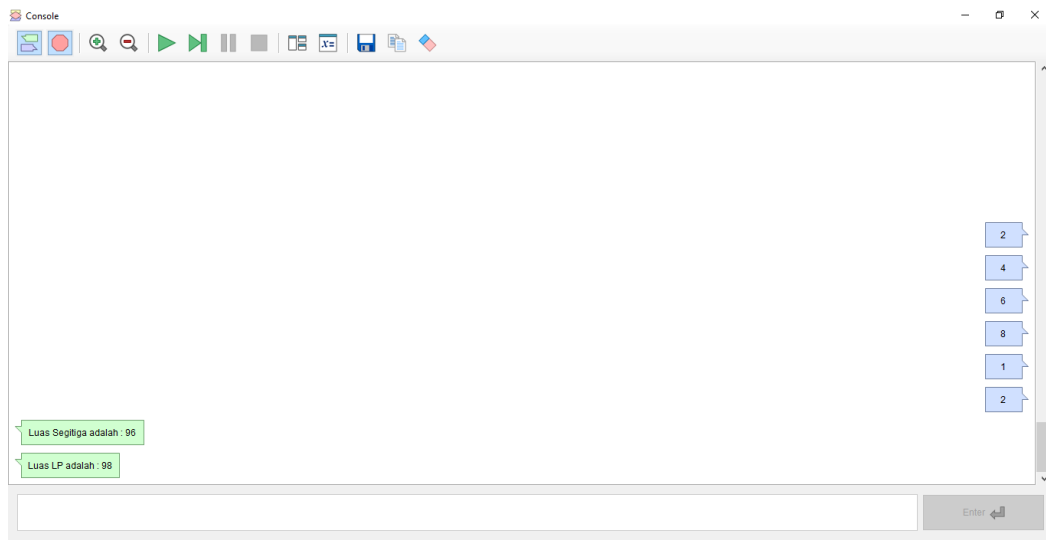
The terminal at the bottom shows the execution of the script. It prompts for five values (l51 to l55), all of which are entered as 5. The final output is "Luas limas segiempat adalah : 25.0".

4. Luas Prisma Segitiga

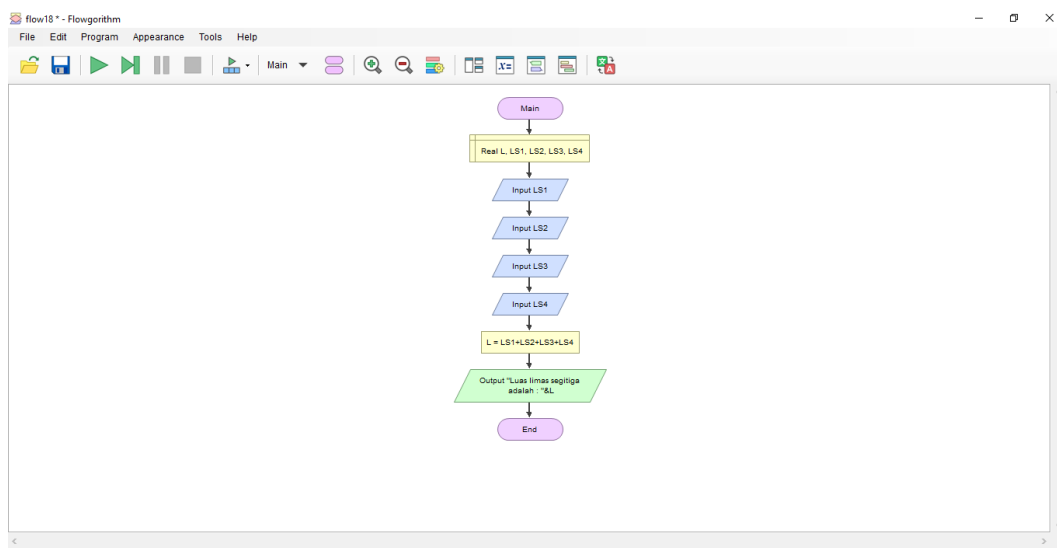


The Source Code Viewer displays the following Python code:

```
0 ls1 = float(input())
1 ls2 = float(input())
2 ls3 = float(input())
3 ts = float(input())
4 a = float(input())
5 tp = float(input())
6 ls = (ls1 + ls2 + ls3) * ts
7 lp = (ls1 * ls2 + ls2 * ls3 + ls3 * ls1) * tp
8 print("Luas Segitiga adalah : " + str(ls))
9 print("Luas LP adalah : " + str(lp))
```



5. Luas Limas Segitiga



Source Code Viewer

```
0  lS1 = float(input())
1  lS2 = float(input())
2  lS3 = float(input())
3  lS4 = float(input())
4  l = lS1 + lS2 + lS3 + lS4
5  print("Luas limas segitiga adalah : " + str(l))
```

Console

```
Luas limas segitiga adalah : 30
```

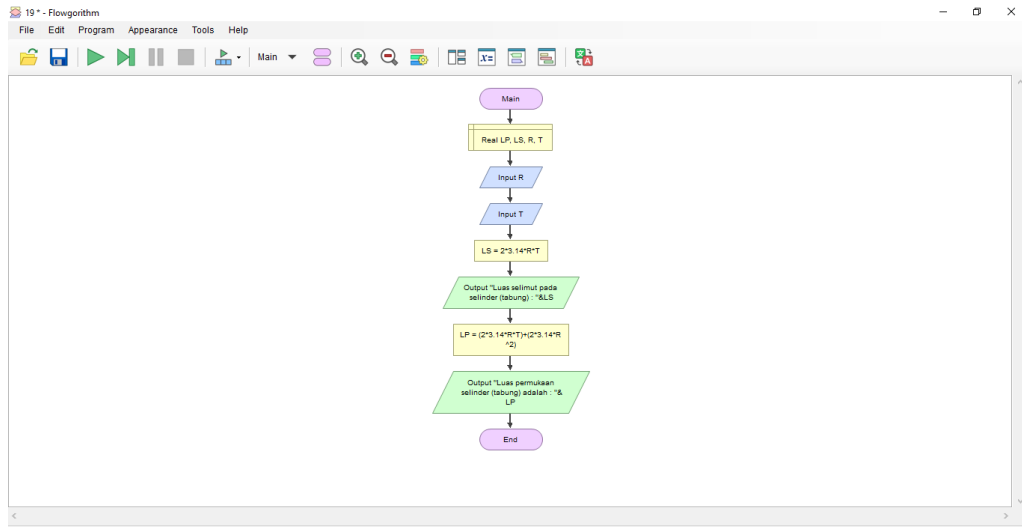
10
5
10
5

tugas.py - Minggu_1v - Visual Studio Code

```
1  lS1 = float(input("Masukkan nilai lS1 : "))
2  lS2 = float(input("Masukkan nilai lS2 : "))
3  lS3 = float(input("Masukkan nilai lS3 : "))
4  lS4 = float(input("Masukkan nilai lS4 : "))
5  l = lS1 + lS2 + lS3 + lS4
6  print("luas limas segitiga adalah : " + str(l))
7
```

Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6
PS C:\AI-DC\Minggu_1v> & C:/Users/asus/AppData/Local/Programs/Python/Python310/python.exe c:/AI-DC/Minggu_1v/tugas.py
Masukkan nilai lS1 : 10
Masukkan nilai lS2 : 5
Masukkan nilai lS3 : 10
Masukkan nilai lS4 : 5
Luas limas segitiga adalah : 30.0
PS C:\AI-DC\Minggu_1v>

6. Luas Selinder



Source Code Viewer

```
1 t = float(input())
2 LS = 2 * 3.14 * t * t
3 print("Luas selimut pada selinder (tabung) : " + str(LS))
4 LP = 2 * 3.14 * t * t + 2 * 3.14 * t * 2
5 print("Luas permukaan selinder (tabung) adalah : " + str(LP))
```

Console

```
Luas selimut pada selinder (tabung) : 314
Luas permukaan selinder (tabung) adalah : 471
```

5
10

Enter

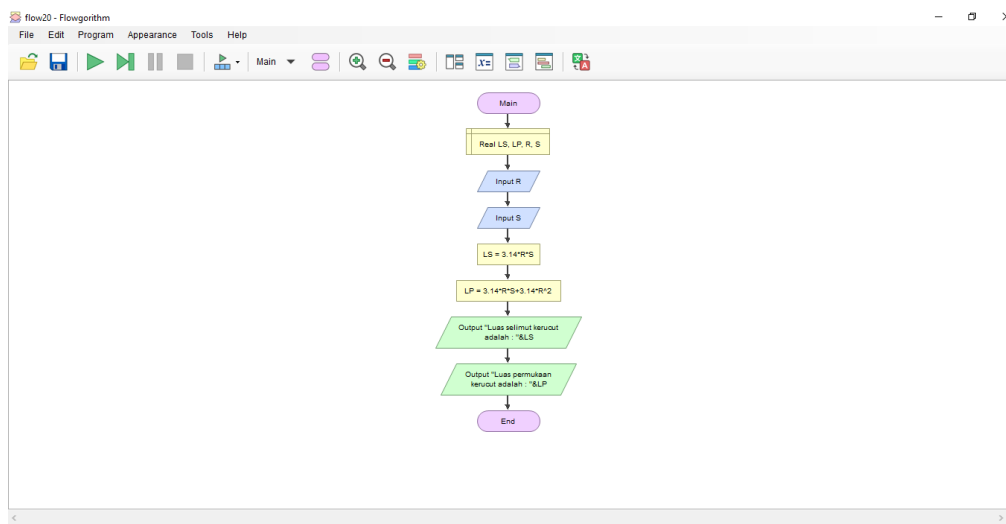
The screenshot shows the Visual Studio Code interface. The Explorer pane on the left shows a file named `tugas.py`. The main editor displays the following Python code:

```
1 r = float(input("Masukkan nilai r : "))
2 t = float(input("Masukkan nilai t : "))
3 ls = 2 * 3.14 * r * t
4 print("Luas selimut pada selinder (tabung) : " + str(ls))
5 lp = 2 * 3.14 * r * t + 2 * 3.14 * r ** 2
6 print("Luas permukaan selinder (tabung) adalah : " + str(lp))
7
```

The Terminal pane at the bottom shows the command prompt output:

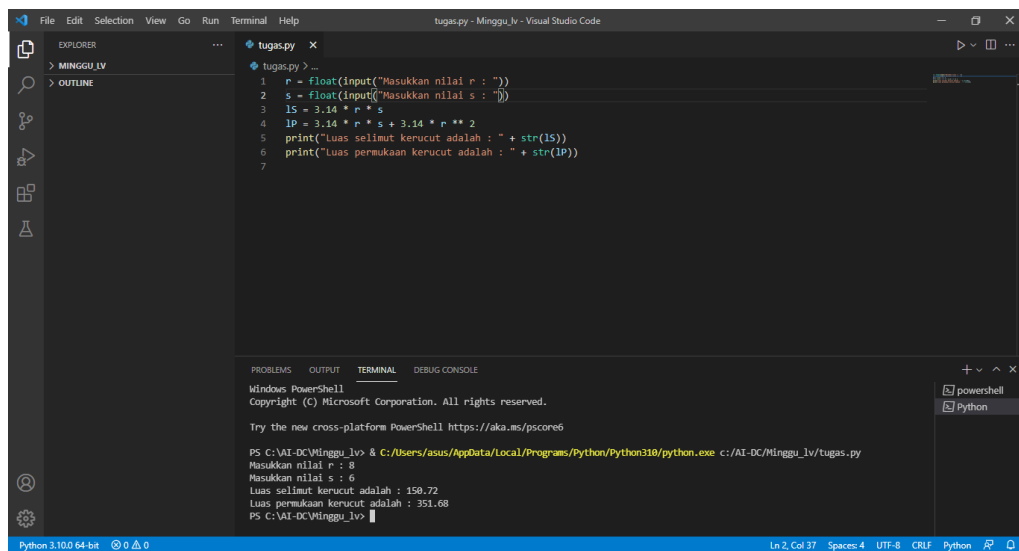
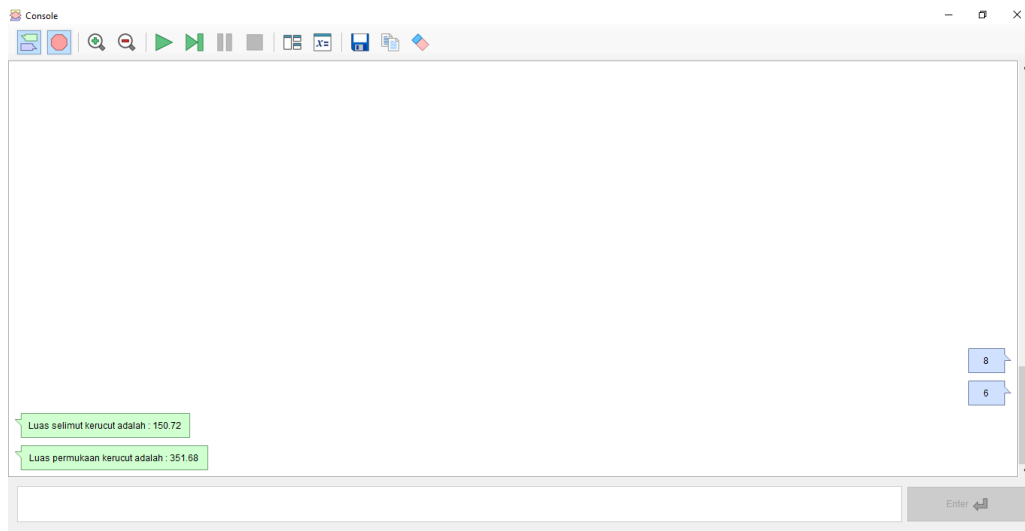
```
PS C:\AI-DC\minggu_lv> & C:/Users/asus/AppData/Local/Programs/Python/Python310/python.exe c:/AI-DC/minggu_lv/tugas.py
Masukkan nilai r : 5
Masukkan nilai t : 10
Luas selimut pada selinder (tabung) : 314.0
Luas permukaan selinder (tabung) adalah : 471.0
PS C:\AI-DC\minggu_lv>
```

7. Luas Kerucut

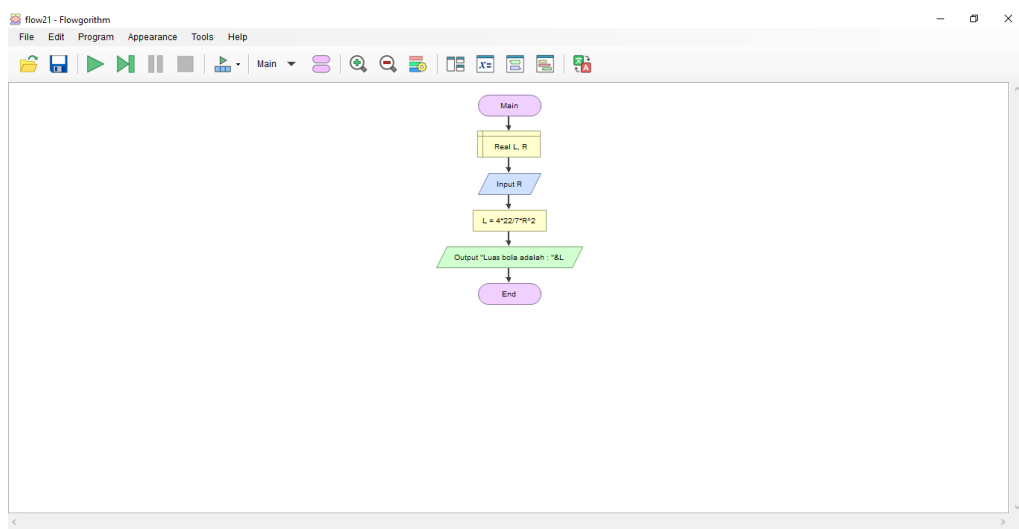


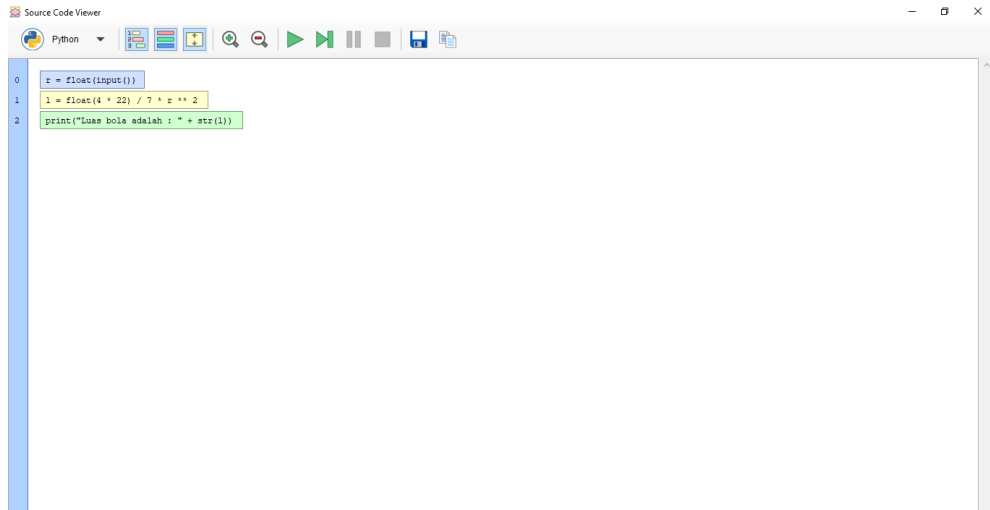
The Source Code Viewer displays the following Python code:

```
0 r = float(input())
1 s = float(input())
2 ls = 3.14 * r * s
3 lp = 3.14 * r * s + 3.14 * r ** 2
4 print("Luas selimut kerucut adalah : " + str(ls))
5 print("Luas permukaan kerucut adalah : " + str(lp))
```



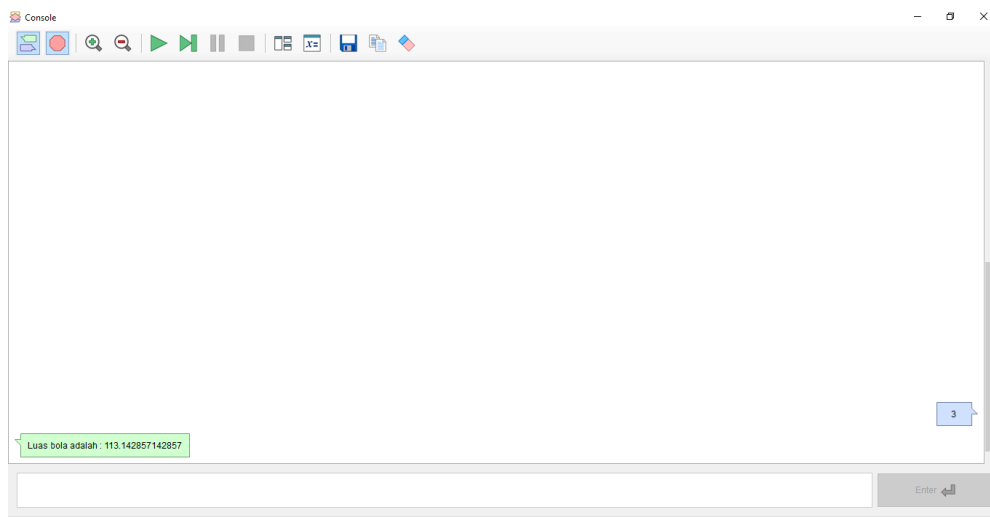
8. Luas Bola





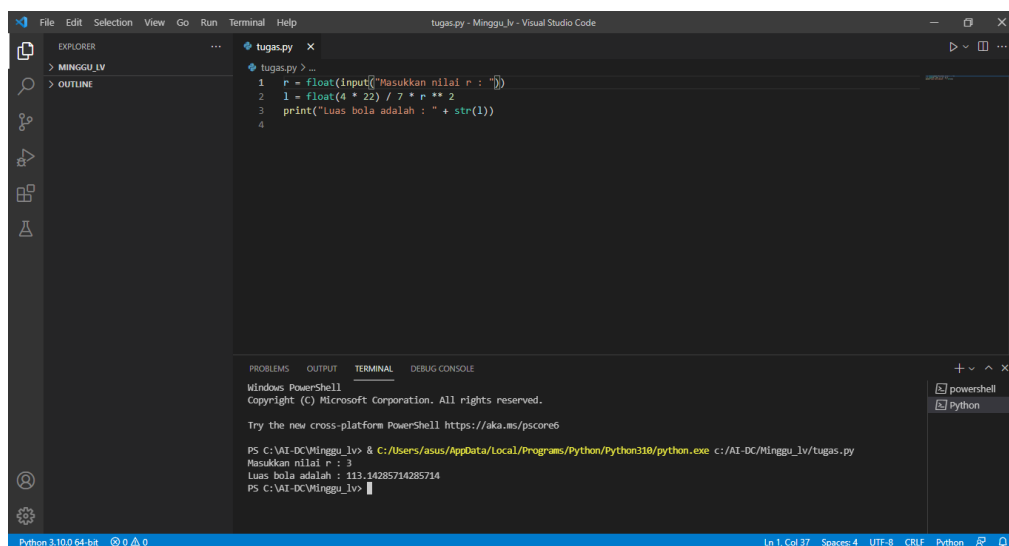
Source Code Viewer

```
0 r = float(input())
1 l = float(4 * 22) / 7 * r ** 2
2 print("Luas bola adalah : " + str(l))
```



Console

```
Luas bola adalah : 113.142857142857
```



tugas.py - Minggu_1v - Visual Studio Code

File Edit Selection View Go Run Terminal Help

EXPLORER

- MINGGU_1V
- OUTLINE

tugas.py

```
1 r = float(input("Masukkan nilai r : "))
2 l = float(4 * 22) / 7 * r ** 2
3 print("Luas bola adalah : " + str(l))
4
```

TERMINAL

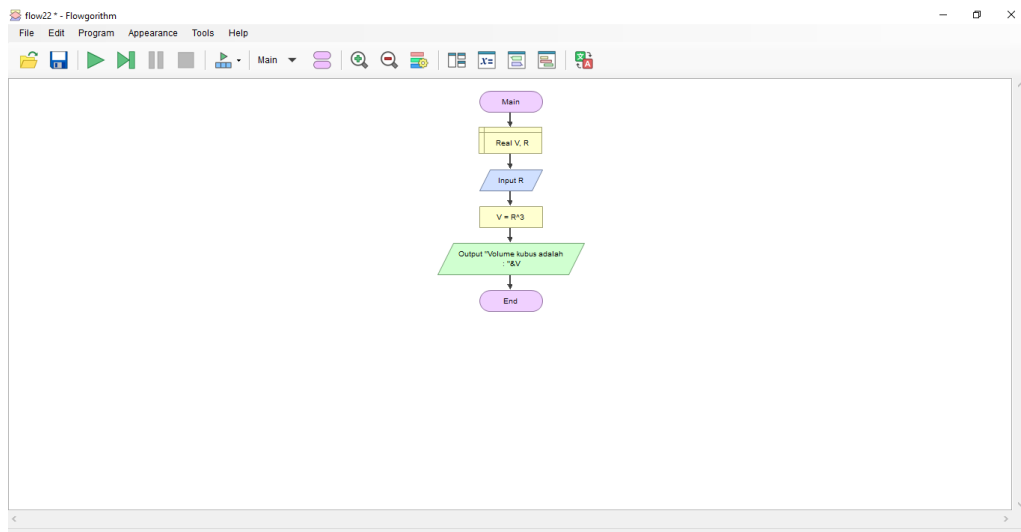
Windows PowerShell
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Try the new cross-platform PowerShell <https://aka.ms/pscore6>

```
PS C:\AI-DC\Minggu_1v> & C:/Users/asus/AppData/Local/Programs/Python/Python318/python.exe c:/AI-DC/Minggu_1v/tugas.py
Masukkan nilai r : 3
Luas bola adalah : 113.14285714285714
PS C:\AI-DC\Minggu_1v>
```

Python 3.10.0 64-bit 0 0 0 Ln 1, Col 37 Spaces: 4 UTF-8 CRLF Python

Volume Bangun Ruang

1. Volume Kubus



Source Code Viewer

```
0  r = float(input())
1  v = r ** 3
2  print("Volume kubus adalah : " + str(v))
```

Console

```
Volume kubus adalah : 125
```

5

The image shows a Visual Studio Code window with a file named `tugas.py`. The code is as follows:

```
tugas.py > ...
1 r = float(input("Masukkan nilai r : "))
2 v = r ** 3
3 print("Volume kubus adalah : " + str(v))
4
```

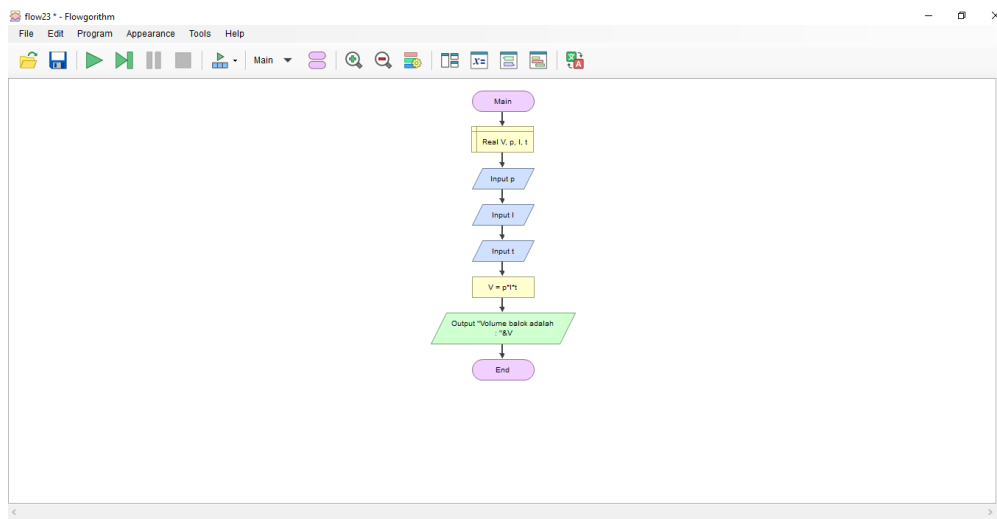
The terminal window at the bottom shows the execution of the script:

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

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

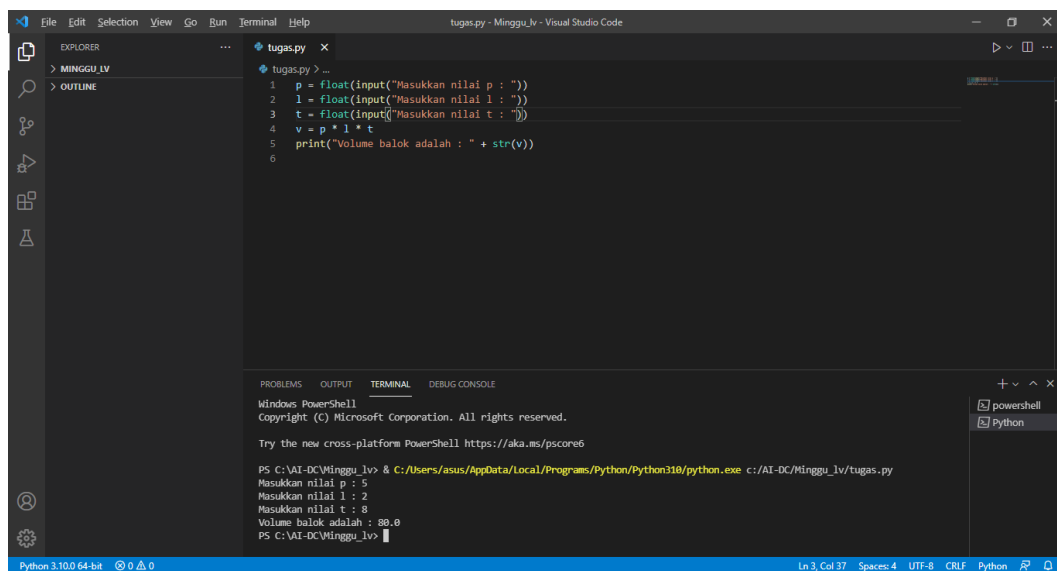
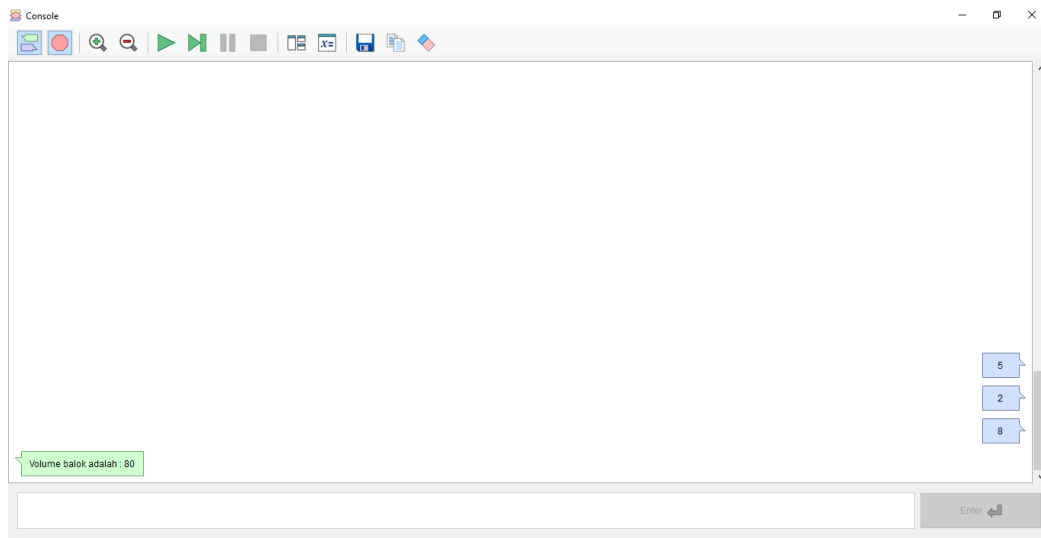
PS C:\AI-DC\Minggu_1v> & C:/Users/asus/AppData/Local/Programs/Python/Python310/python.exe c:/AI-DC/Minggu_1v/tugas.py
Masukkan nilai r : 5
Volume kubus adalah : 125.0
PS C:\AI-DC\Minggu_1v>
```

2. Volume Balok

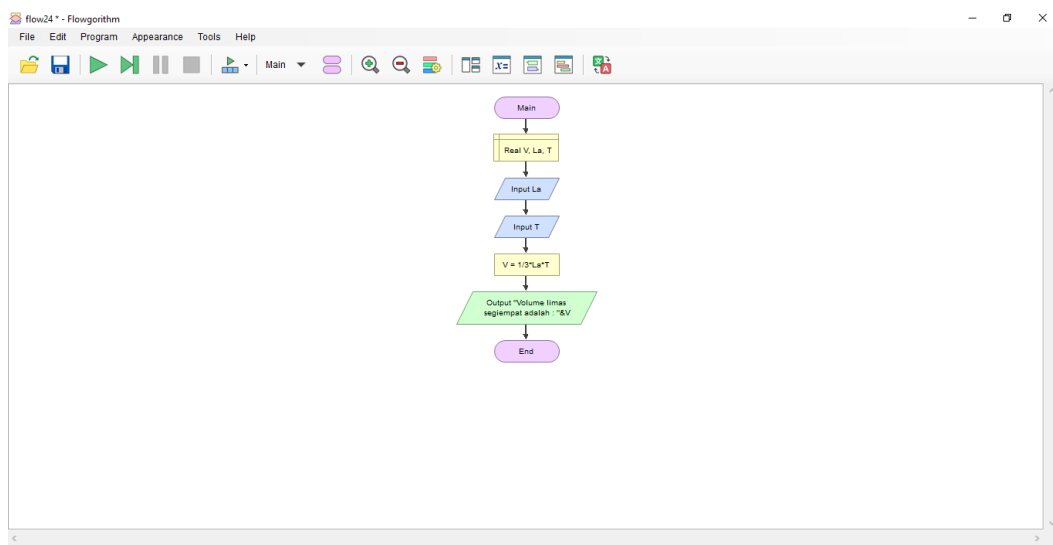


The Source Code Viewer displays the following Python code:

```
0 p = float(input())
1 l = float(input())
2 t = float(input())
3 v = p * l * t
4 print("Volume balok adalah : " + str(v))
```



3. Volume Limas Segiempat



Source Code Viewer

```
Python
0  la = float(input())
1  t = float(input())
2  v = float(l) / 3 * la * t
3  print("Volume limas segiempat adalah : " + str(v))
```

Console

```
Volume limas segiempat adalah : 18.666666666666666
```

8
7

Enter

tugas.py - Minggu.lv - Visual Studio Code

```
File Edit Selection View Go Run Terminal Help
tugas.py x
1  la = float(input("Masukkan nilai la : "))
2  t = float(input("Masukkan nilai t : "))
3  v = float(l) / 3 * la * t
4  print("Volume limas segiempat adalah : " + str(v))
5
```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

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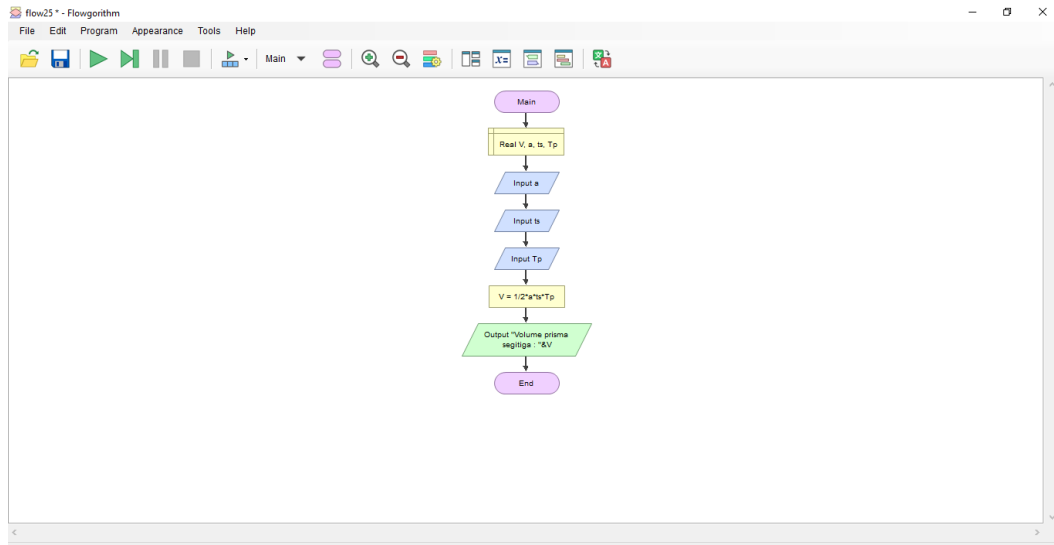
Try the new cross-platform PowerShell <https://aka.ms/pscore6>

PS C:\AI-DC\Minggu_lv> & C:/Users/asus/AppData/Local/Programs/Python/Python310/python.exe c:/AI-DC/Minggu_lv/tugas.py
Masukkan nilai la : 8
Masukkan nilai t : 7
Volume limas segiempat adalah : 18.666666666666664
PS C:\AI-DC\Minggu_lv>

Python 3.10.0 64-bit 0 0

Ln 2, Col 37 Spaces 4 UTF-8 CRLF Python

4. Volume Prisma Segitiga



Source Code Viewer

```
Python
0 a = float(input())
1 ts = float(input())
2 tp = float(input())
3 v = float(1) / 2 * a * ts * tp
4 print("Volume prisma segitiga : " + str(v))
```

Console

```
Volume prisma segitiga : 252
```

18
7
4

Enter

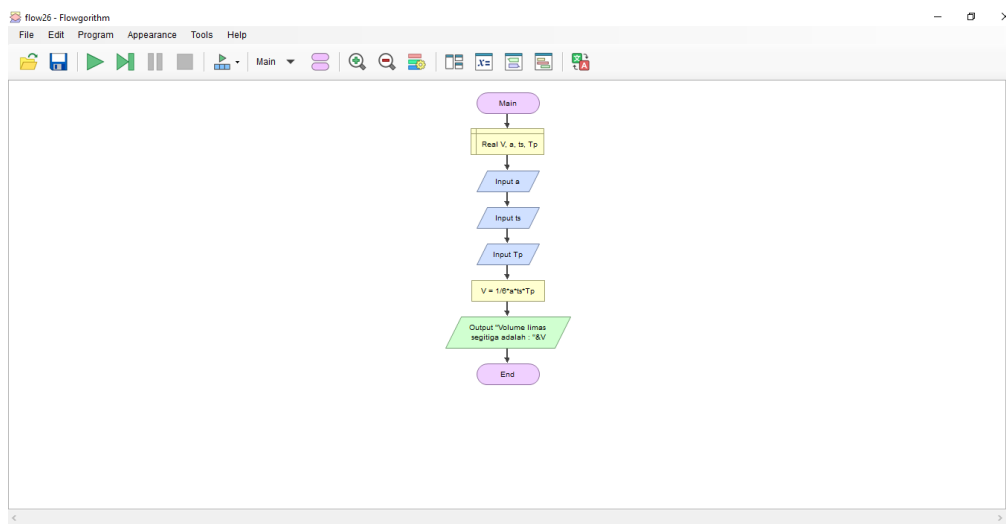
The screenshot shows the Visual Studio Code interface. The Explorer pane on the left shows a file named `tugas.py`. The editor pane displays the following Python code:

```
1 a = float(input("Masukkan nilai a : "))
2 ts = float(input("Masukkan nilai ts : "))
3 tp = float(input("Masukkan nilai tp : "))
4 v = float(l) / 2 * a * ts * tp
5 print("Volume prisma segitiga : " + str(v))
6
```

The Terminal pane at the bottom shows the execution of the script using PowerShell:

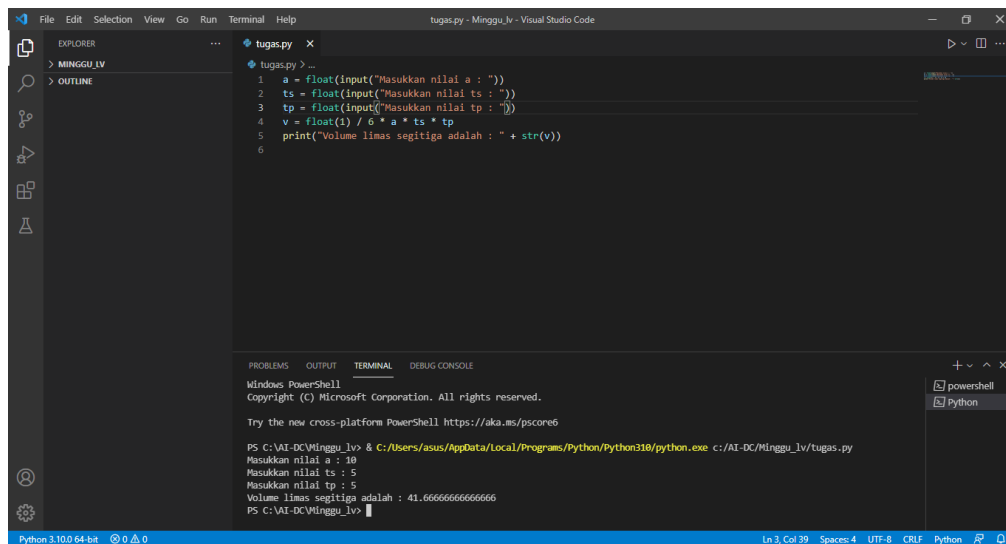
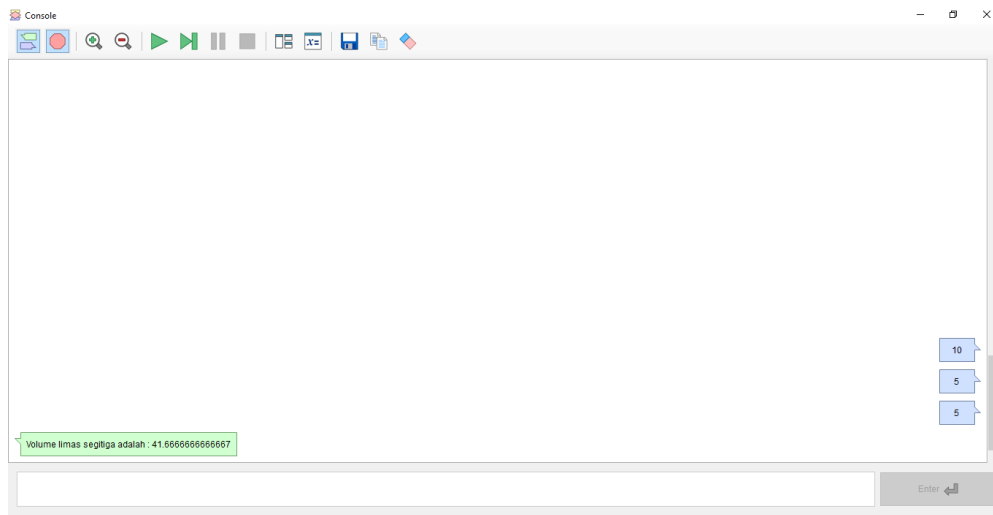
```
PS C:\AI-DC\minggu_lv> & C:/Users/asus/AppData/Local/Programs/Python/Python310/python.exe c:/AI-DC/minggu_lv/tugas.py
Masukkan nilai a : 18
Masukkan nilai ts : 7
Masukkan nilai tp : 4
Volume prisma segitiga : 252.0
PS C:\AI-DC\minggu_lv>
```

5. Volume Limas Segitiga

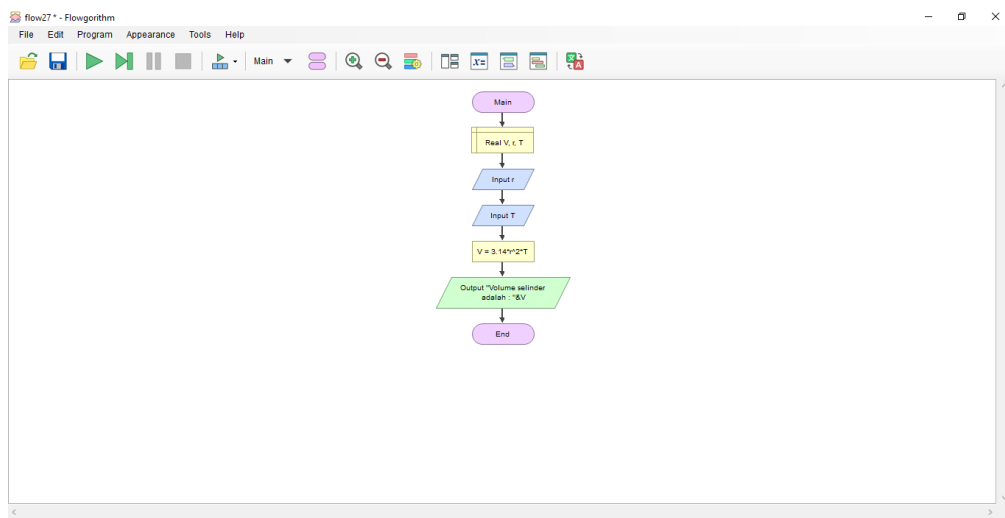


The Source Code Viewer displays the following Python code:

```
0 a = float(input())
1 ts = float(input())
2 tp = float(input())
3 v = float(l) / 6 * a * ts * tp
4 print("Volume limas segitiga adalah: " + str(v))
```

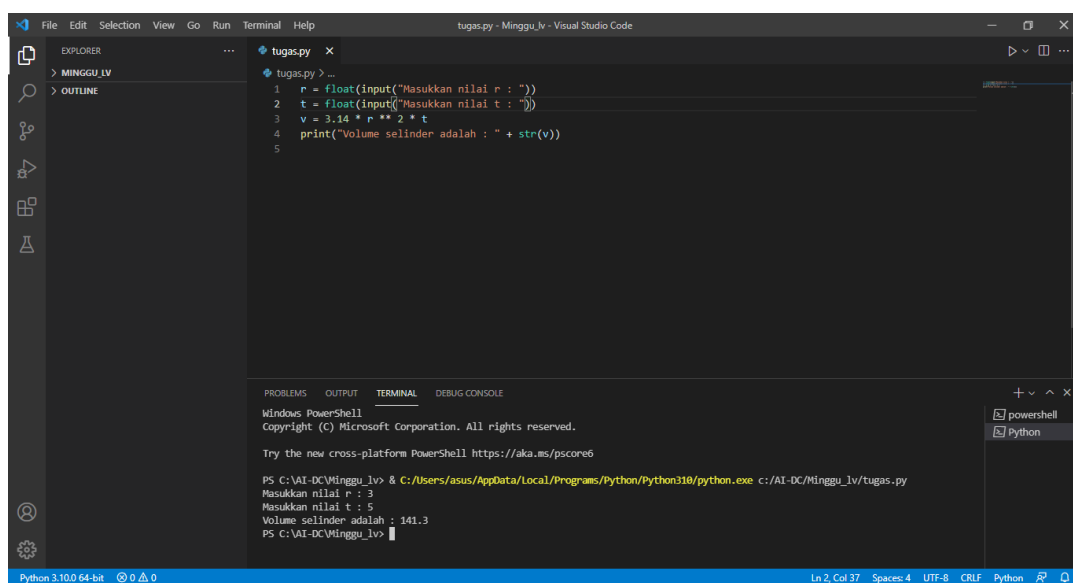
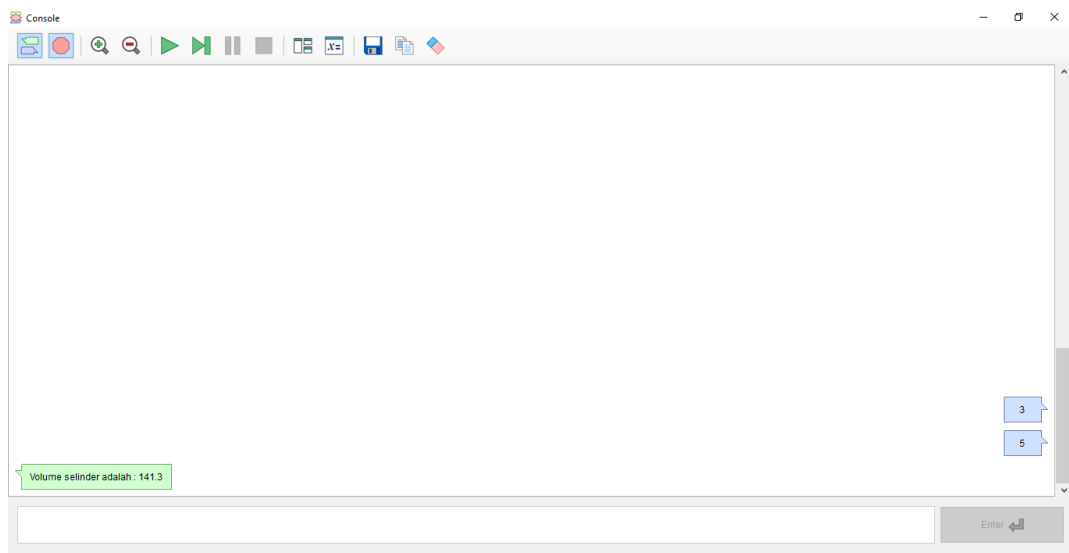


6. Volume Selinder (Tabung)

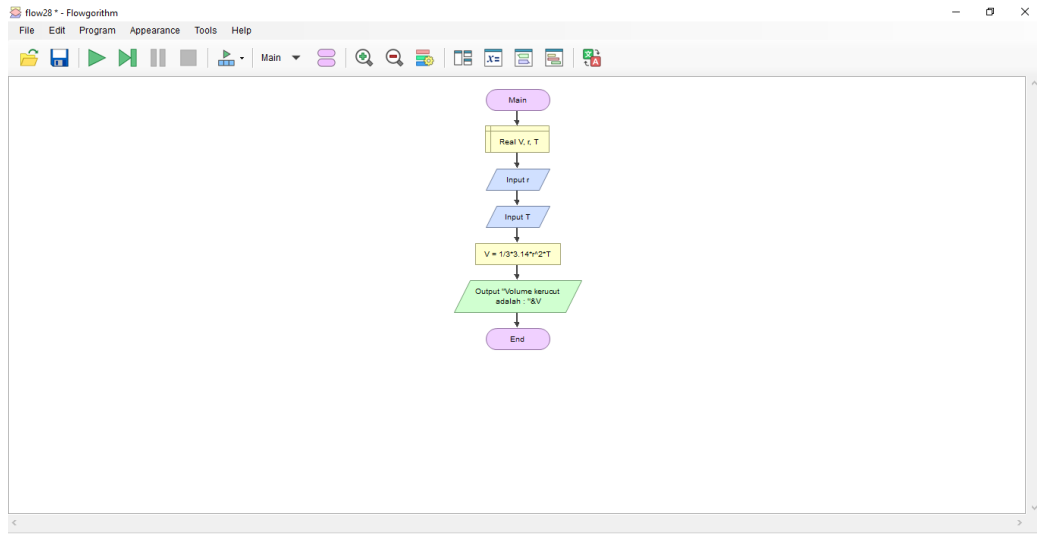


Source Code Viewer

```
0 r = float(input())
1 t = float(input())
2 v = 3.14 * r ** 2 * t
3 print("Volume selinder adalah : " + str(v))
```



7. Volume Kerucut



Source Code Viewer

```
Python
0 r = float(input())
1 t = float(input())
2 v = float(l) / 3 * 3.14 * r ** 2 * t
3 print("Volume kerucut adalah : " + str(v))
```

Console

```
Volume kerucut adalah : 16.746666666666667
```

2

4

Enter

The screenshot shows the Visual Studio Code interface. The Explorer pane on the left shows a file named `tugas.py`. The main editor displays the following Python code:

```
1 r = float(input("Masukkan nilai r : "))
2 t = float(input("Masukkan nilai t : "))
3 v = float(1 / 3 * 3.14 * r ** 2 * t)
4 print("Volume kerucut adalah : " + str(v))
5
```

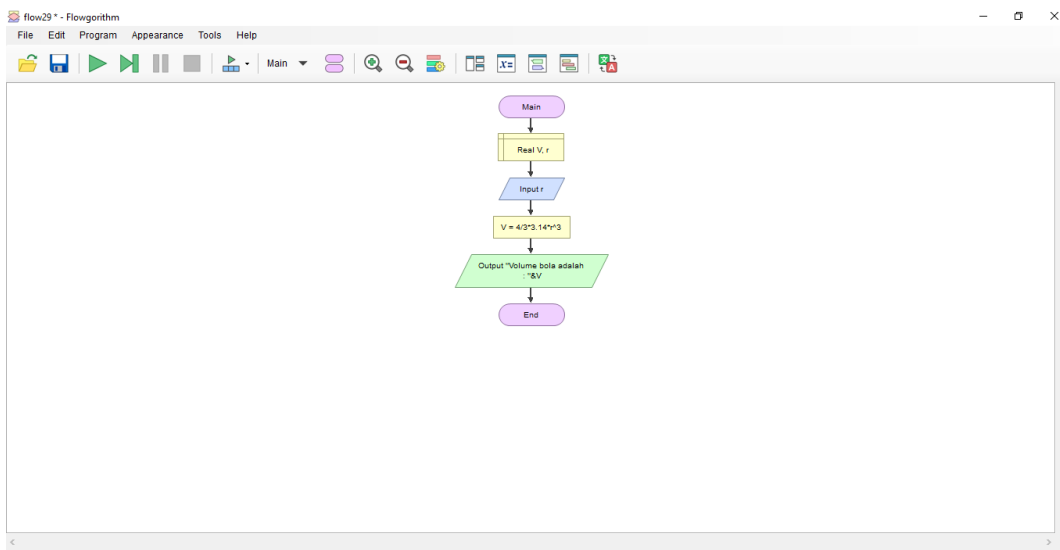
The TERMINAL pane at the bottom shows the execution of the script using PowerShell:

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

PS C:\AI-DC\Minggu_lv> & C:/Users/asus/AppData/Local/Programs/Python/Python310/python.exe c:/AI-DC/Minggu_lv/tugas.py
Masukkan nilai r : 2
Masukkan nilai t : 4
Volume kerucut adalah : 16.746666666666666
PS C:\AI-DC\Minggu_lv>
```

8. Volume Bola



The Source Code Viewer displays the following Python code:

```
0 r = float(input())
1 v = float(4 / 3 * 3.14 * r ** 3)
2 print("Volume bola adalah : " + str(v))
```

