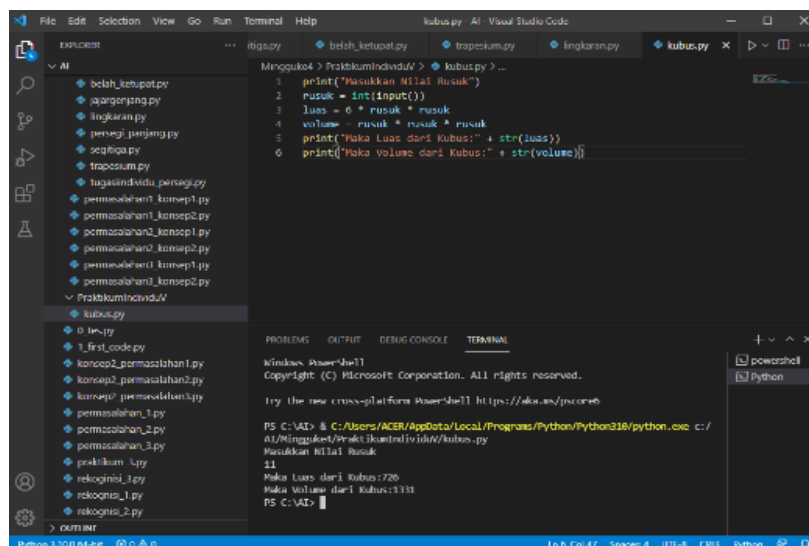
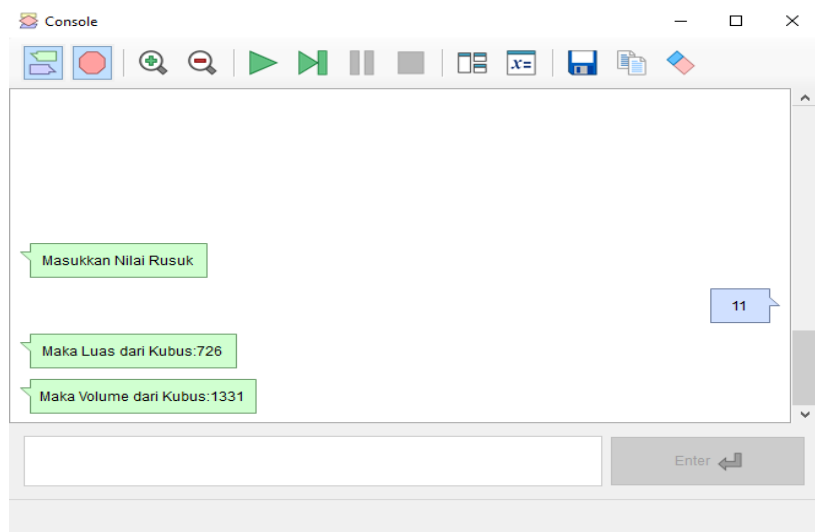
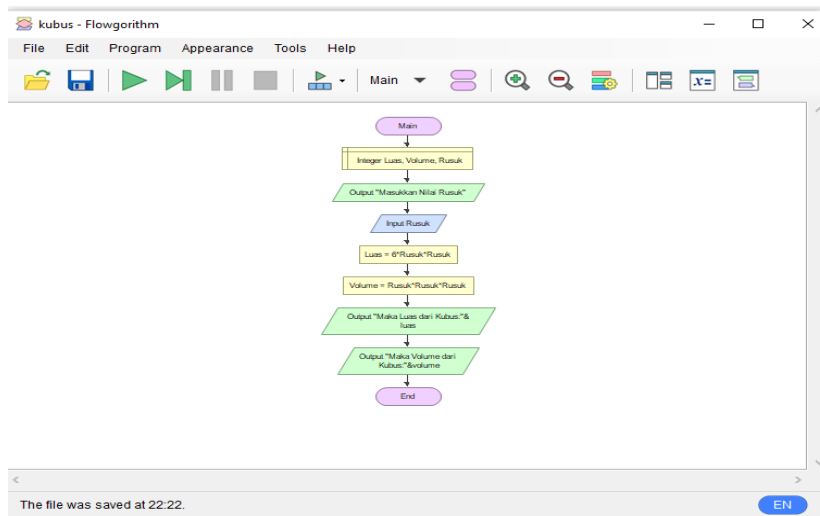


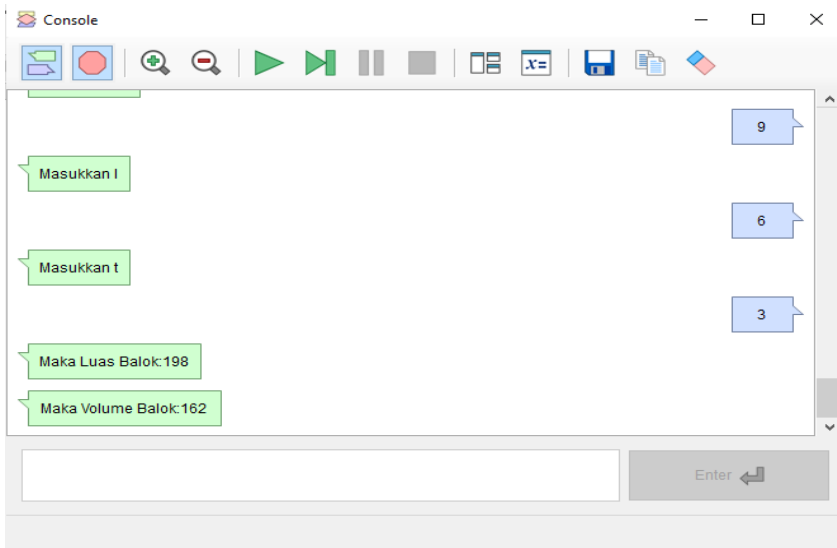
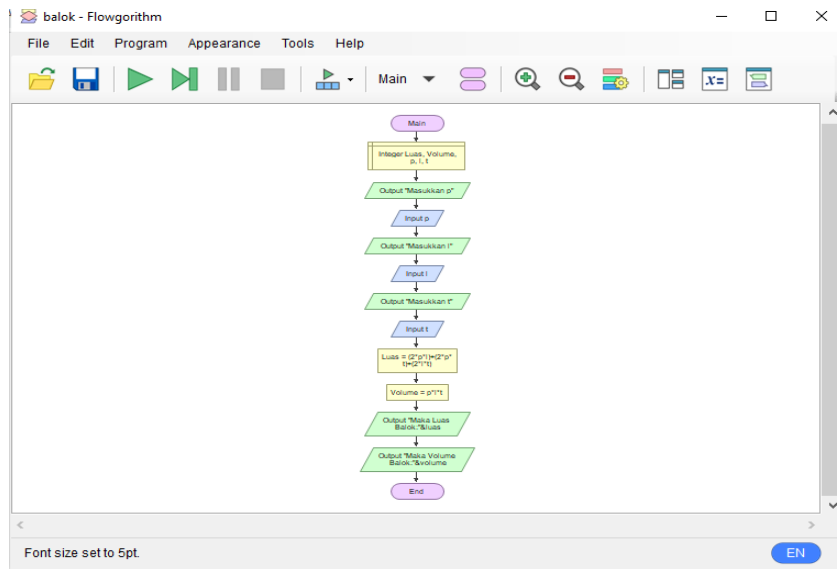
PRAKTIKUM INDIVIDU V

RUMUS LUAS PERMUKAAN & VOLUME BANGUN RUANG

1. Kubus



2. Balok



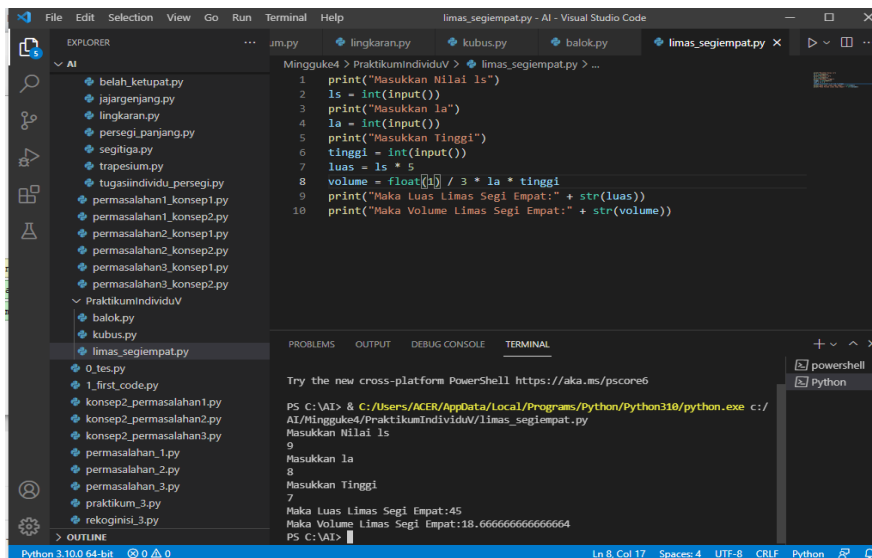
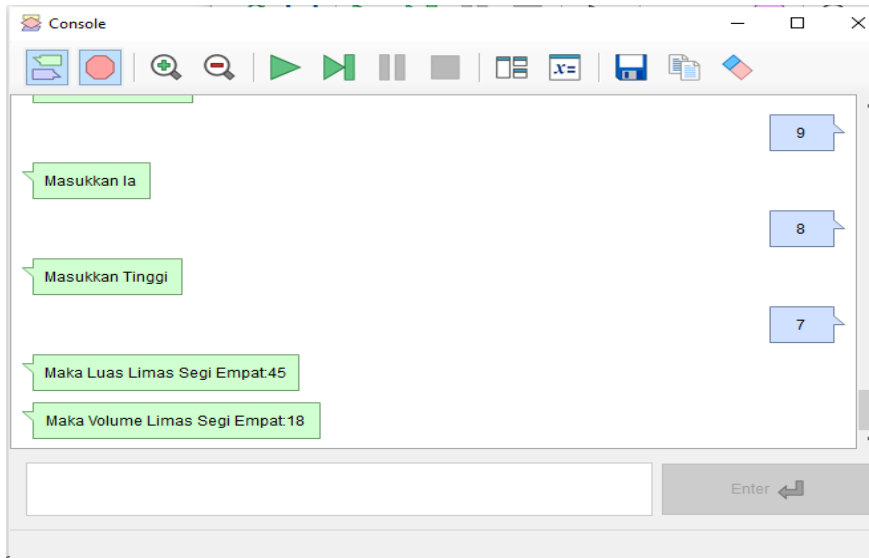
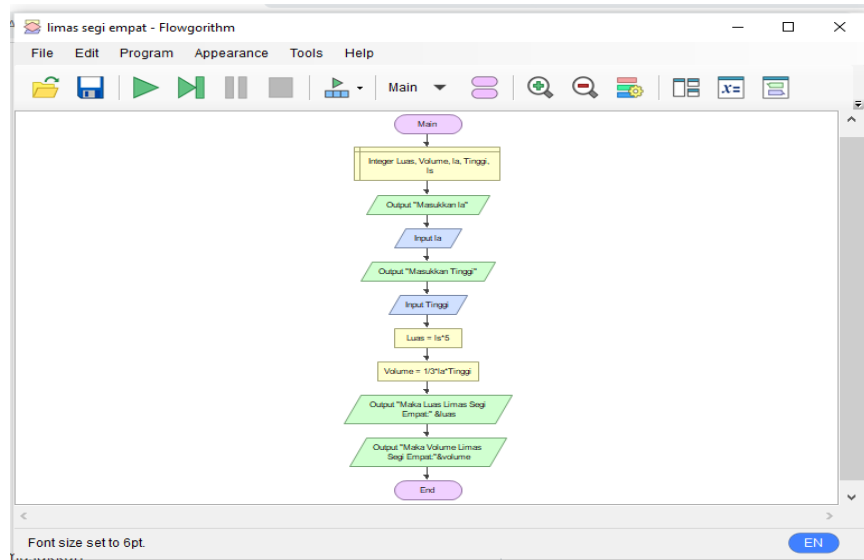
Visual Studio Code interface showing the Python code for calculating the area and volume of a rectangular prism:

```
1 print("Masukkan p")
2 p = int(input())
3 print("Masukkan l")
4 l = int(input())
5 print("Masukkan t")
6 t = int(input())
7 luas = 2 * p * l + 2 * p * t + 2 * l * t
8 volume = p * l * t
9 print("Maka Luas Balok:" + str(luas))
10 print("Maka Volume Balok:" + str(volume))
```

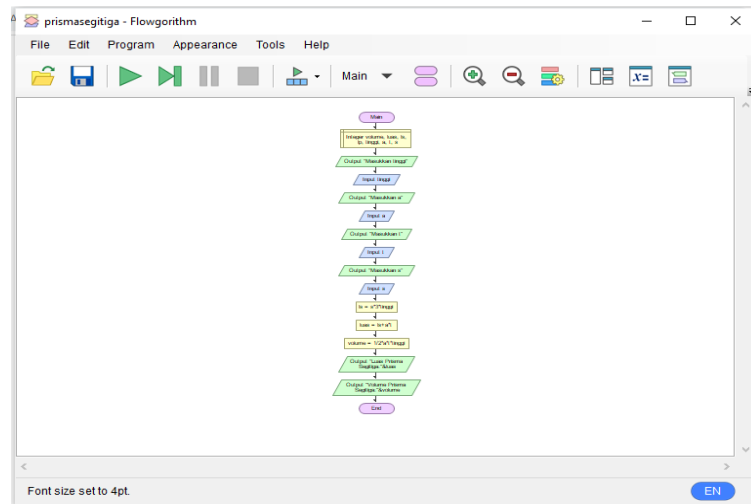
Terminal output:

```
PS C:\Users\ACER\AppData\Local\Programs\Python\Python310\python.exe c:/AI/Minggu4/PraktikumIndividu/balok.py
Masukkan p
9
Masukkan l
6
Masukkan t
3
Maka Luas Balok:198
Maka Volume Balok:162
PS C:\Users\ACER\AppData\Local\Programs\Python\Python310\python.exe c:/AI/Minggu4/PraktikumIndividu/balok.py
```

3. Limas Segi Empat



4. Prisma Segitiga



Masukkan tinggi: 7

Masukkan a: 5

Masukkan t: 3

Masukkan s: 1

Luas Prisma Segitiga: 36

Volume Prisma Segitiga: 52

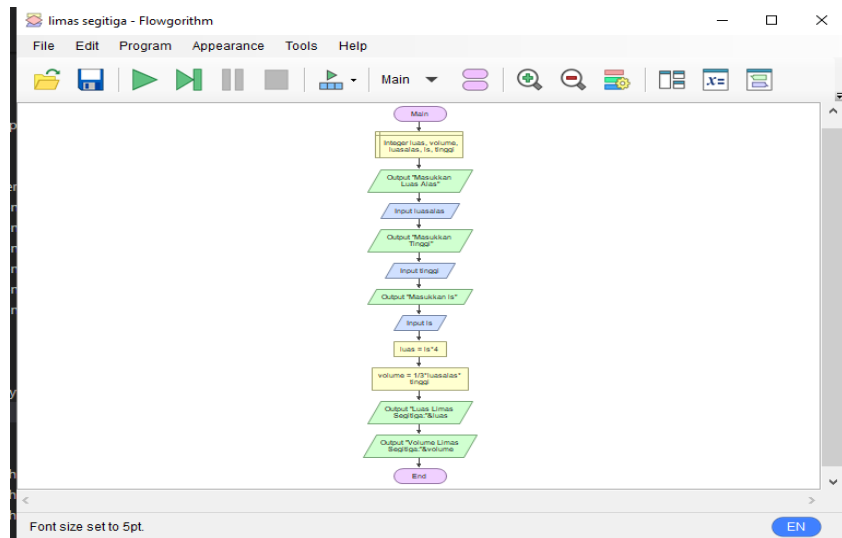
```
prisma_segitiga.py - AI - Visual Studio Code

1 print("Masukkan tinggi")
2 tinggi = int(input())
3 print("Masukkan a")
4 a = int(input())
5 print("Masukkan t")
6 t = int(input())
7 print("Masukkan s")
8 s = int(input())
9 ls = s * 3 * tinggi
10 luas = ls + a * t
11 volume = float(t) / 2 * a * t * tinggi
12 print("Luas Prisma Segitiga:" + str(luas))
13 print("Volume Prisma Segitiga:" + str(volume))
```

Terminal Output:

```
PS C:\AI> & C:/Users/ACER/AppData/Local/Programs/Python/Python310/python.exe c:/AI/Minggu4/PraktikumIndividu/prisma_segitiga.py
Masukkan tinggi
7
Masukkan a
5
Masukkan t
3
Masukkan s
1
Luas Prisma Segitiga: 36
Volume Prisma Segitiga: 52
PS C:\AI>
```

5. Limas Segitiga



Console

Masukkan Luas Alas 9

Masukkan Tinggi 7

Masukkan ls 5

Luas Limas Segitiga:20

Volume Limas Segitiga:21

Enter

limas_segitiga.py - AI - Visual Studio Code

```
1 print("Masukkan Luas Alas")
2 luasalas = int(input())
3 print("Masukkan Tinggi")
4 tinggi = int(input())
5 print("Masukkan ls")
6 ls = int(input())
7 luas = ls * 4
8 volume = float(1) / 3 * luasalas * tinggi
9 print("Luas Limas Segitiga:" + str(luas))
10 print("Volume Limas Segitiga:" + str(volume))
```

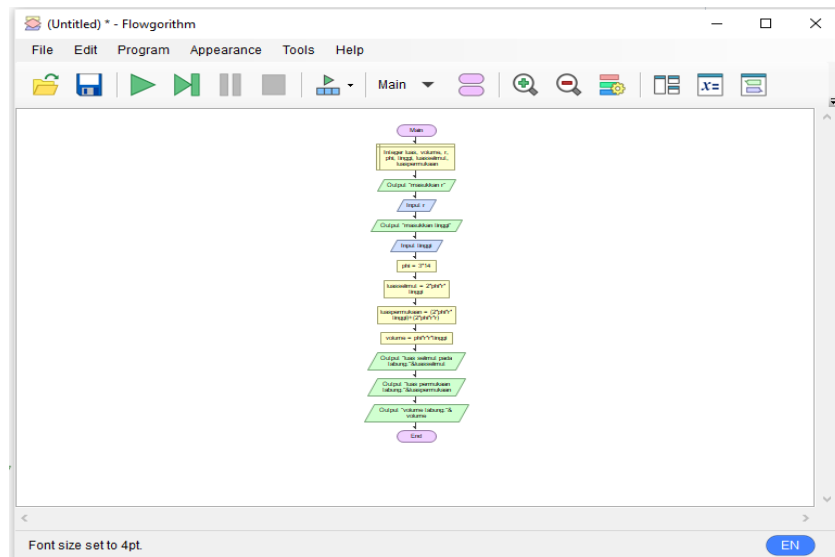
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

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

PS C:\AI> & C:\Users\ACER\AppData\Local\Programs\Python\Python310\python.exe c:/AI/Minggu4/PraktikumIndividu/limas_segitiga.py

Masukkan Luas Alas
9
Masukkan Tinggi
7
Masukkan ls
5
Luas Limas Segitiga:20
Volume Limas Segitiga:21.0
PS C:\AI>

6. Silinder



Console window showing the execution of the program:

```
masukkan r
masukkan tinggi
luas selimut pada tabung:2940
luas permukaan tabung:7056
volume tabung:10290
```

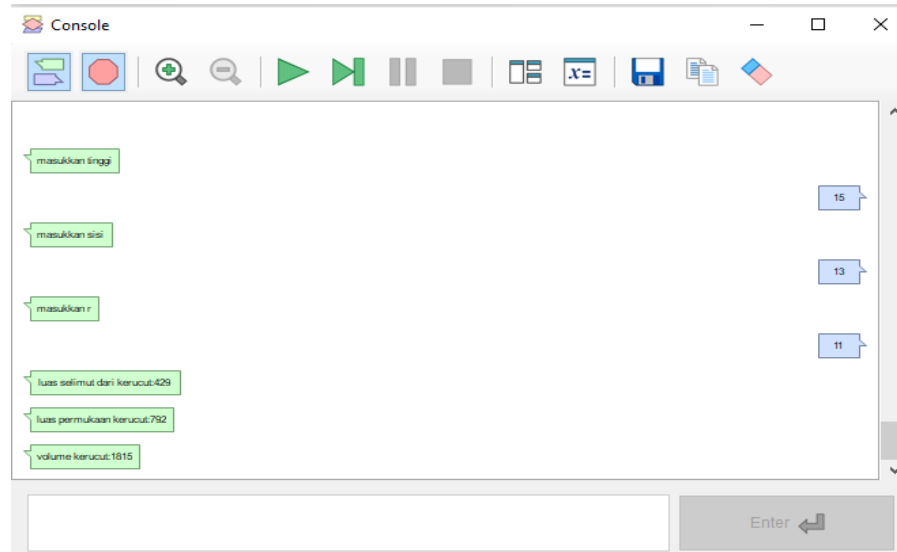
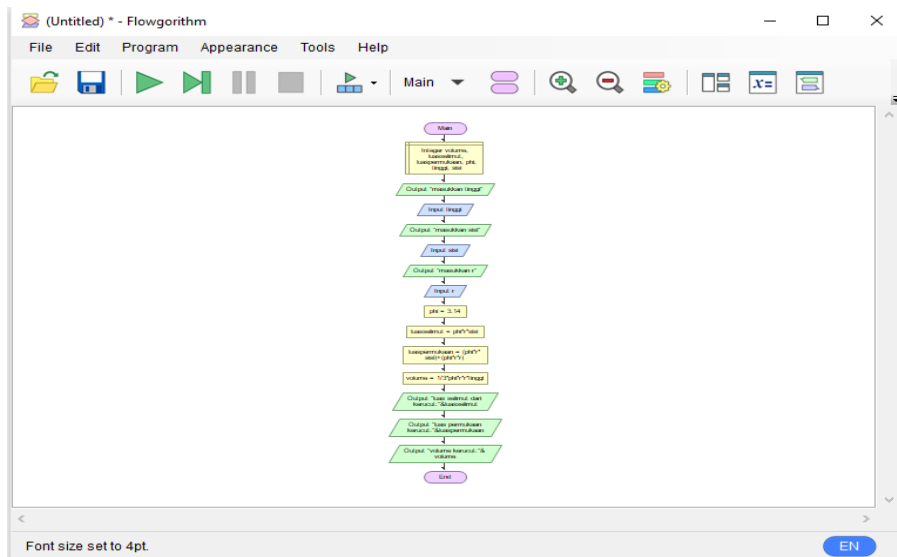
Visual Studio Code editor showing the Python code for the cylinder calculation:

```
1 print("Masukkan r")
2 r = int(input())
3 print("Masukkan tinggi")
4 tinggi = int(input())
5 phi = 3.14
6 luasselut = 2 * phi * r * tinggi
7 luaspermukaan = 2 * phi * r * tinggi + 2 * phi * r * r
8 volume = phi * r * r * tinggi
9 print("luas selimut pada tabung:" + str(luasselut))
10 print("luas permukaan tabung:" + str(luaspermukaan))
11 print("volume tabung:" + str(volume))
```

Terminal output:

```
PS C:\VAI> & C:/Users/ACER/AppData/Local/Programs/Python/Python310/python.exe c:/AI/Minggu4/PraktikumIndividu/silinder.py
Masukkan r
7
Masukkan tinggi
5
luas selimut pada tabung:2940
luas permukaan tabung:7056
volume tabung:10290
PS C:\VAI>
```

7. Kerucut



kerucut.py - AI - Visual Studio Code

File Edit Selection View Go Run Terminal Help

prisma_segitiga.py limas_segitiga.py silinder.py kerucut.py

```
1 print("masukkan tinggi")
2 tinggi = int(input())
3 print("masukkan sisi")
4 sisi = int(input())
5 print("masukkan r")
6 r = int(input())
7 phi = 3.14
8 luasselimut = phi * r * sisi
9 luaspermukaan = phi * r * r + phi * r * r
10 volume = float(1 / 3 * phi * r * r * tinggi)
11 print("luas selimut dari kerucut:" + str(luasselimut))
12 print("luas permukaan kerucut:" + str(luaspermukaan))
13 print("volume kerucut:" + str(volume))
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

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

```
PS C:\AI> & C:/Users/ACER/AppData/Local/Programs/Python/Python310/python.exe c:/
AI/Mingguke4/PraktikumIndividuV/kerucut.py
masukkan tinggi
15
masukkan sisi
13
masukkan r
11
luas selimut dari kerucut:429.02
luas permukaan kerucut:828.96
volume kerucut:1899.7
PS C:\AI>
```

Python 3.10.0 64-bit 0 0 Ln 13, Col 39 Spaces: 4 UTF-8 CRLF Python