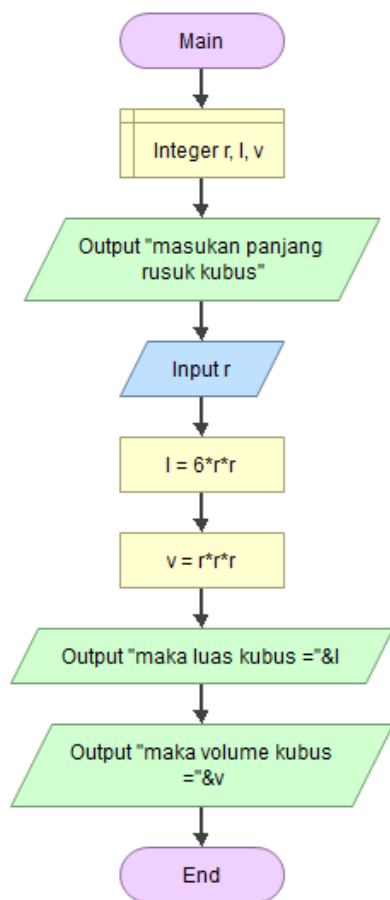


Nama : Fani Aulias Furqan
NIM : 211001124
Kelas : D/kecersasan buatan

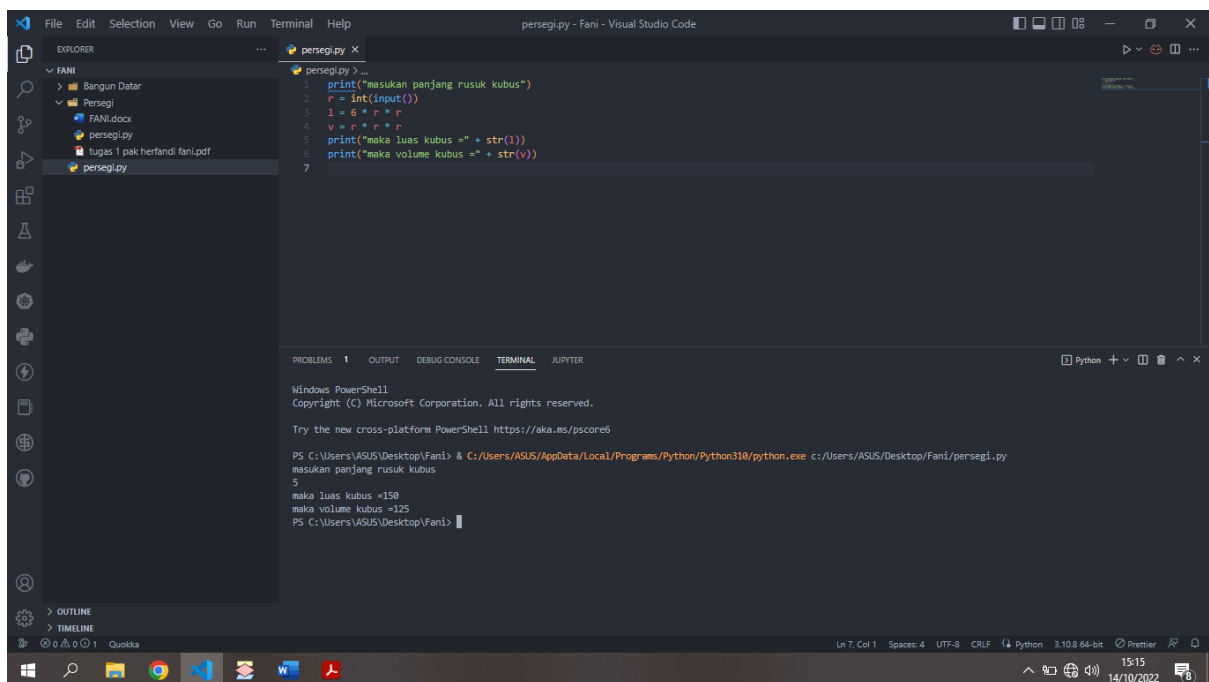
Jawaban

1. Kubus

Flowgarithm



Code python & output VScode



The screenshot shows the Visual Studio Code editor with a file named `persegi.py` open. The code in the editor is as follows:

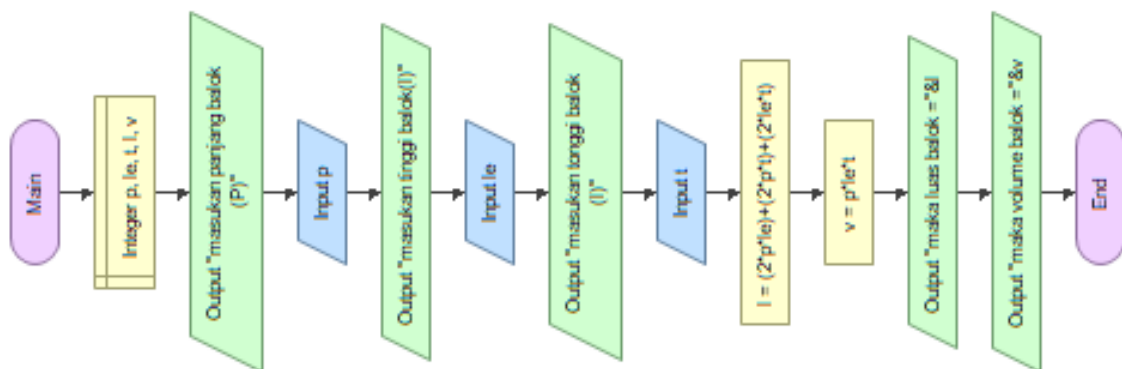
```
1 print("masukan panjang rusuk kubus")
2 r = int(input())
3 l = 6 * r * r
4 v = r * r * r
5 print("maka luas kubus =" + str(l))
6 print("maka volume kubus =" + str(v))
7
```

The terminal window at the bottom shows the execution of the script in a Windows PowerShell environment. The output is:

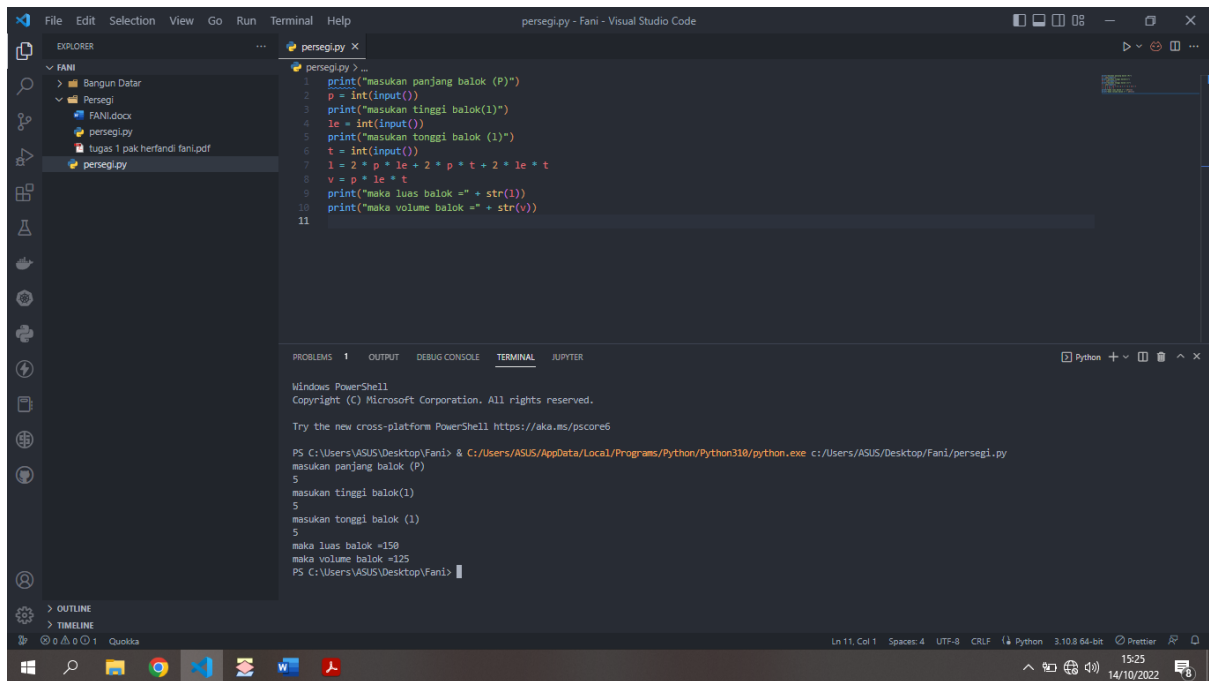
```
PS C:\Users\ASUS\Desktop\Fani> & C:\Users\ASUS\AppData\Local\Programs\Python\Python310\python.exe c:\Users\ASUS\Desktop\Fani\persegi.py
masukan panjang rusuk kubus
5
maka luas kubus =150
maka volume kubus =125
PS C:\Users\ASUS\Desktop\Fani>
```

2. balok

Flowarithm



Code python & output VScode



```
File Edit Selection View Go Run Terminal Help
persegipy - Fani - Visual Studio Code

EXPLORER
FANI
  Bangun Datar
  Persegi
  FANI.docx
  persegipy
  tugas 1 pak herfandi fani.pdf
  persegipy

persegipy.py
1 print("masukan panjang balok (P)")
2 p = int(input())
3 print("masukan tinggi balok(l)")
4 le = int(input())
5 print("masukan tonggi balok (l)")
6 t = int(input())
7 l = 2 * p * le + 2 * p * t + 2 * le * t
8 v = p * le * t
9 print("maka luas balok =" + str(l))
10 print("maka volume balok =" + str(v))
11

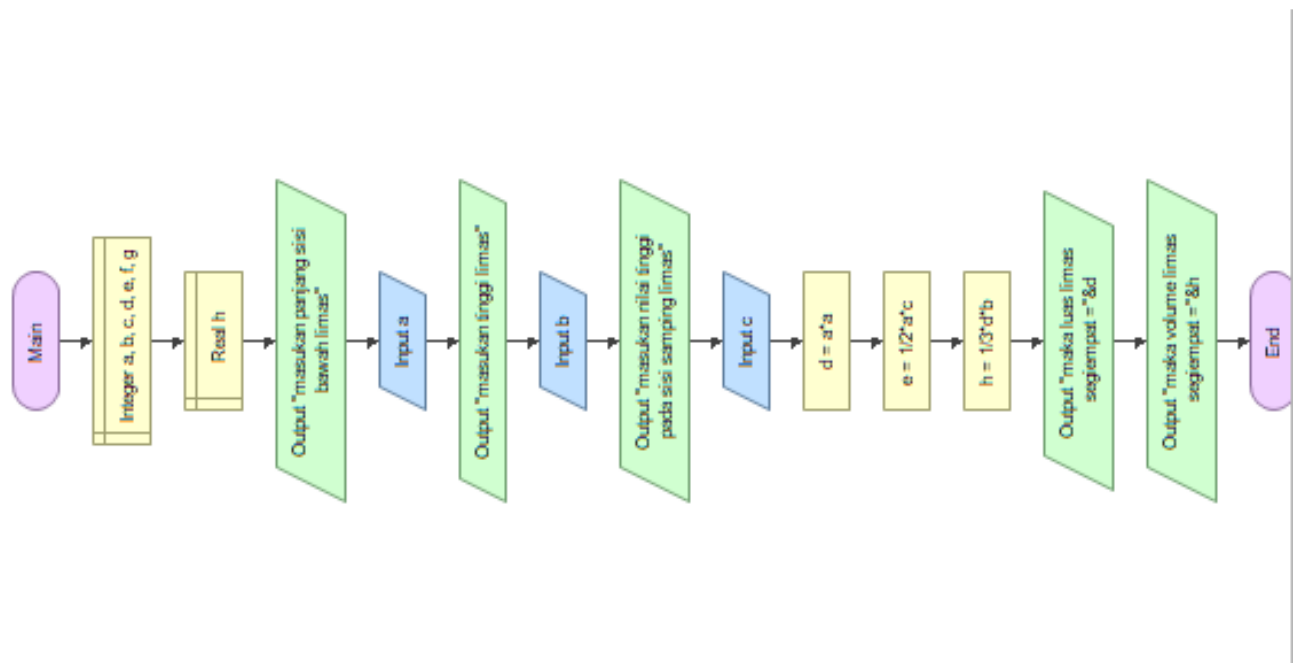
TERMINAL
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

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

PS C:\Users\ASUS\Desktop\Fani> & C:/Users/ASUS/AppData/Local/Programs/Python/Python310/python.exe c:/Users/ASUS/Desktop/Fani/persegipy.py
masukan panjang balok (P)
5
masukan tinggi balok(l)
5
masukan tonggi balok (l)
5
maka luas balok =150
maka volume balok =125
PS C:\Users\ASUS\Desktop\Fani>
```

3. limas segiempat

Fowgarithm



Code python & output VScode

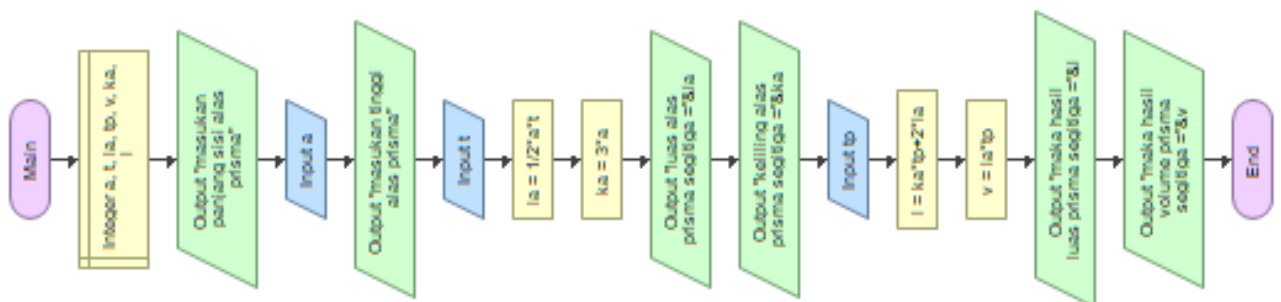
```
1 print("masukan panjang sisi bawah limas")
2 a = int(input())
3 print("masukan tinggi limas")
4 b = int(input())
5 print("masukan nilai tinggi pada sisi samping limas")
6 c = int(input())
7 d = a * a
8 e = float(1) / 2 * a * c
9 h = float(1) / 3 * d * b
10 print("maka luas limas segiempat =" + str(d))
11 print("maka volume limas segiempat =" + str(h))
12
```

Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.
Try the new cross-platform PowerShell <https://aka.ms/pscore6>

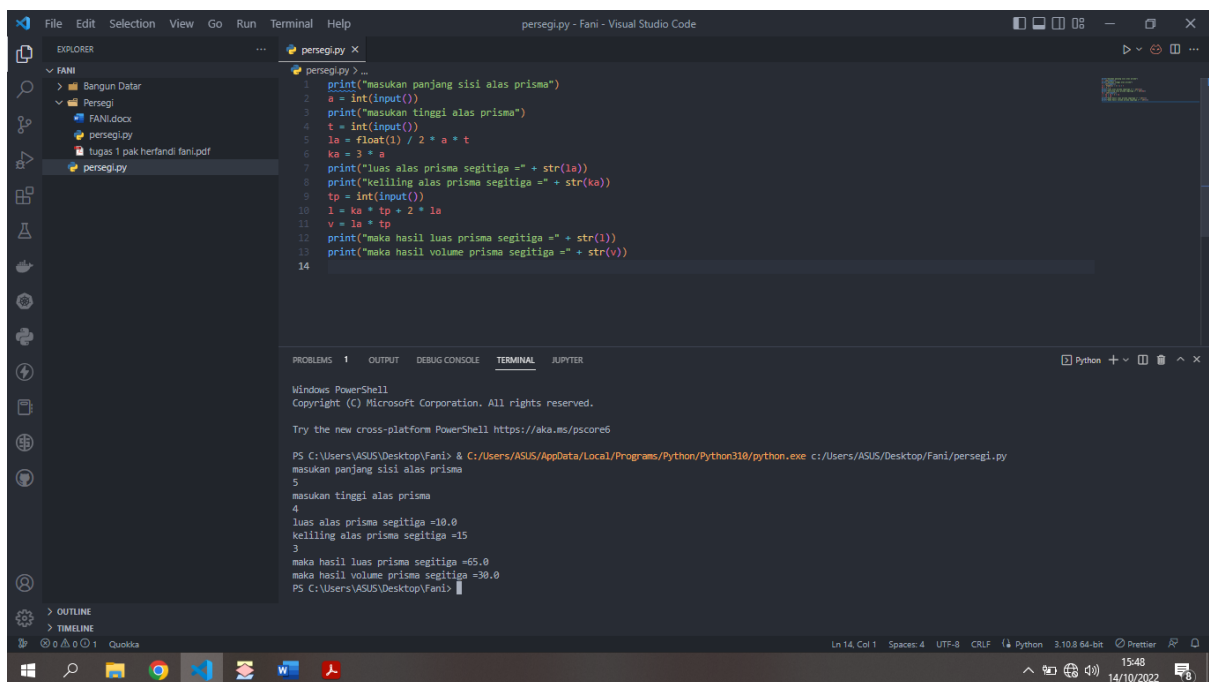
PS C:\Users\ASUS\Desktop\Fani> & C:/Users/ASUS/AppData/Local/Programs/Python/Python310/python.exe c:/Users/ASUS/Desktop/Fani/persegi.py
masukan panjang sisi bawah limas
5
masukan tinggi limas
4
masukan nilai tinggi pada sisi samping limas
3
maka luas limas segiempat =25
maka volume limas segiempat =33.33333333333333
PS C:\Users\ASUS\Desktop\Fani>

4. prisma segitiga

Flowgarithm

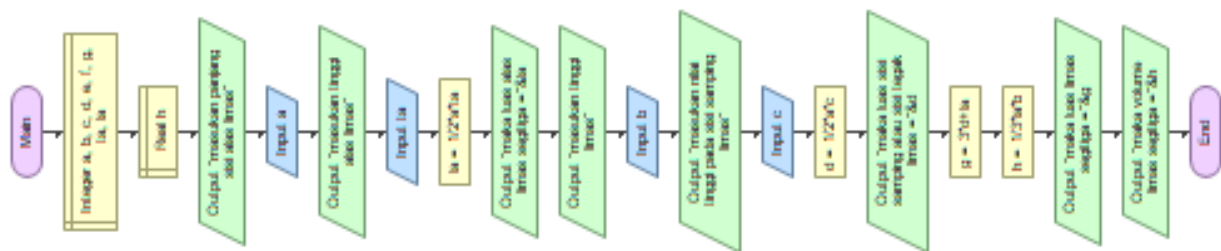


Code python & output VScode

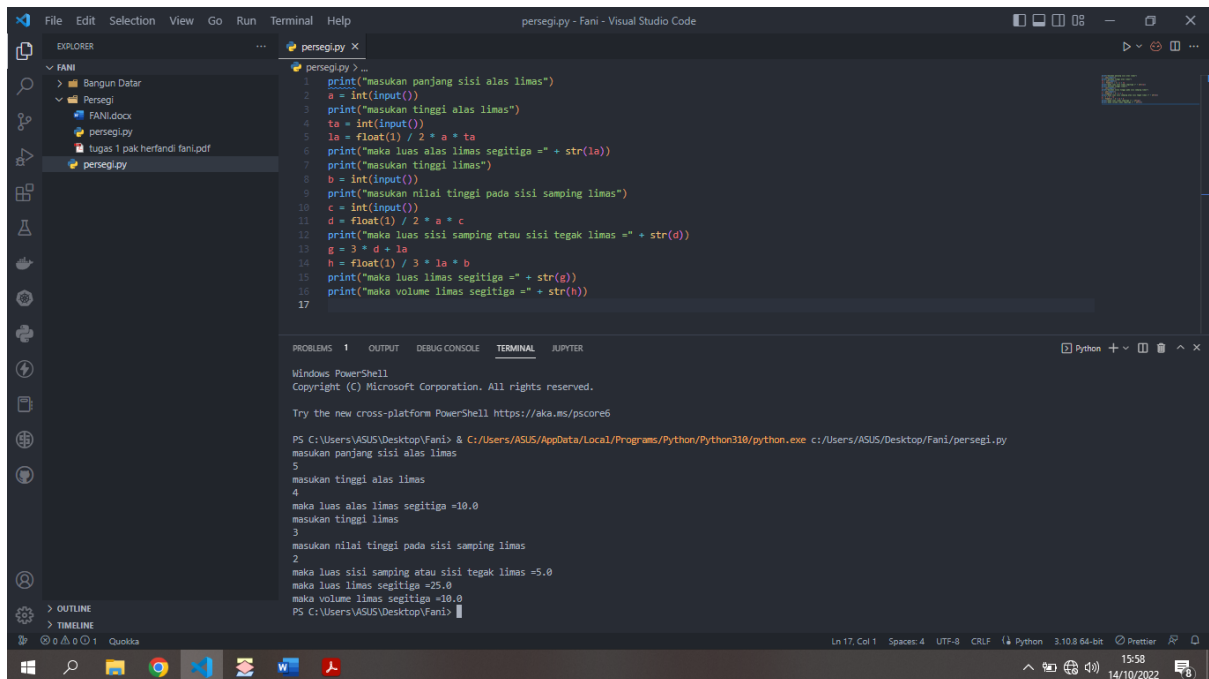


5. limas segitiga

Flowgarithm



Code python & output VScode



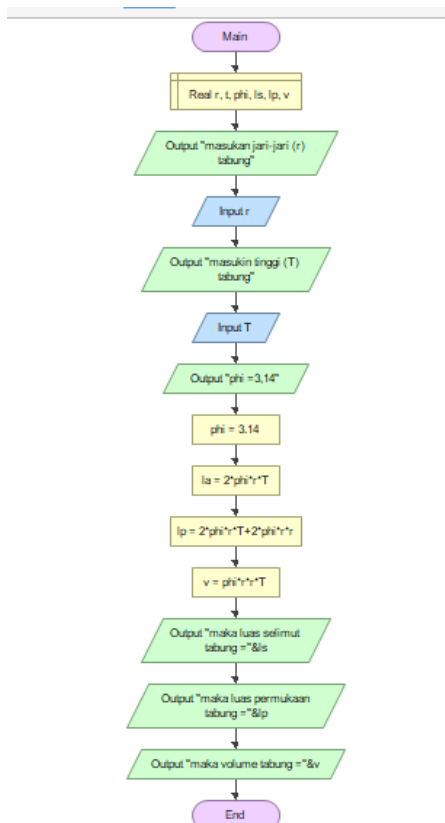
```
1 print("masukan panjang sisi alas limas")
2 a = int(input())
3 print("masukan tinggi alas limas")
4 ta = int(input())
5 la = float(1) / 2 * a * ta
6 print("maka luas alas limas segitiga =" + str(la))
7 print("masukan tinggi limas")
8 b = int(input())
9 print("masukan nilai tinggi pada sisi samping limas")
10 c = int(input())
11 d = float(1) / 2 * a * c
12 print("maka luas sisi samping atau sisi tegak limas =" + str(d))
13 g = 3 * d + la
14 h = float(1) / 3 * la * b
15 print("maka luas limas segitiga =" + str(g))
16 print("maka volume limas segitiga =" + str(h))
17
```

Terminal Output:

```
PS C:\Users\AGUS\Desktop\Fani> python.exe c:\Users\AGUS\Desktop\Fani\persegi.py
masukan panjang sisi alas limas
5
masukan tinggi alas limas
4
maka luas alas limas segitiga =10.0
masukan tinggi limas
3
masukan nilai tinggi pada sisi samping limas
2
maka luas sisi samping atau sisi tegak limas =5.0
maka luas limas segitiga =25.0
maka volume limas segitiga =10.0
PS C:\Users\AGUS\Desktop\Fani>
```

6. tabung

Flowarithm



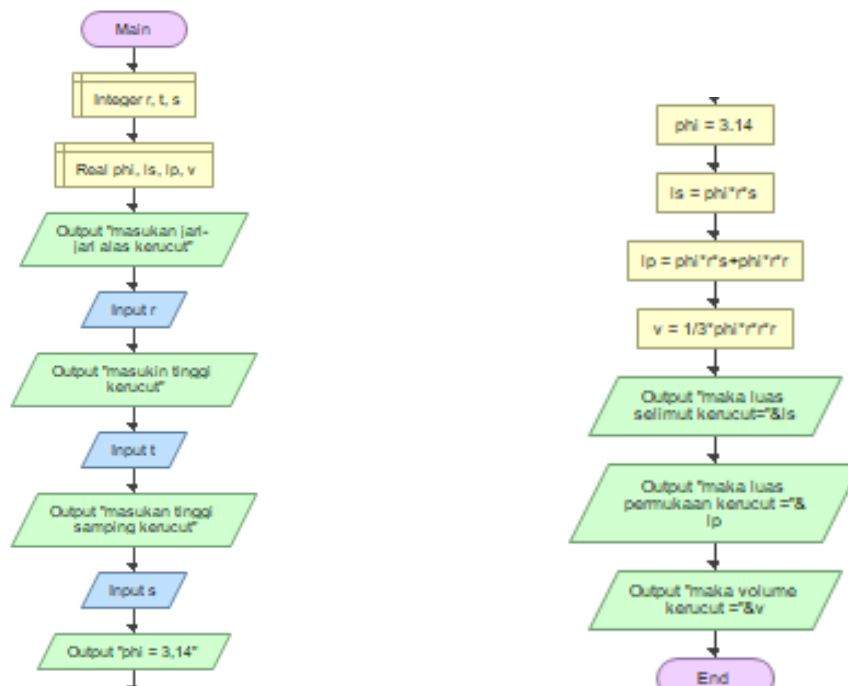
Code python & output VScode

```
1 print("masukan jari-jari (r) tabung")
2 r = float(input())
3 print("masukan tinggi (T) tabung")
4 t = float(input())
5 print("phi =3,14")
6 phi = 3,14
7 la = 2 * phi * r * t
8 lp = 2 * phi * r * t + 2 * phi * r * r
9 v = phi * r * r * t
10 print("maka luas selimut tabung =" + str(la))
11 print("maka luas permukaan tabung =" + str(lp))
12 print("maka volume tabung =" + str(v))
13
```

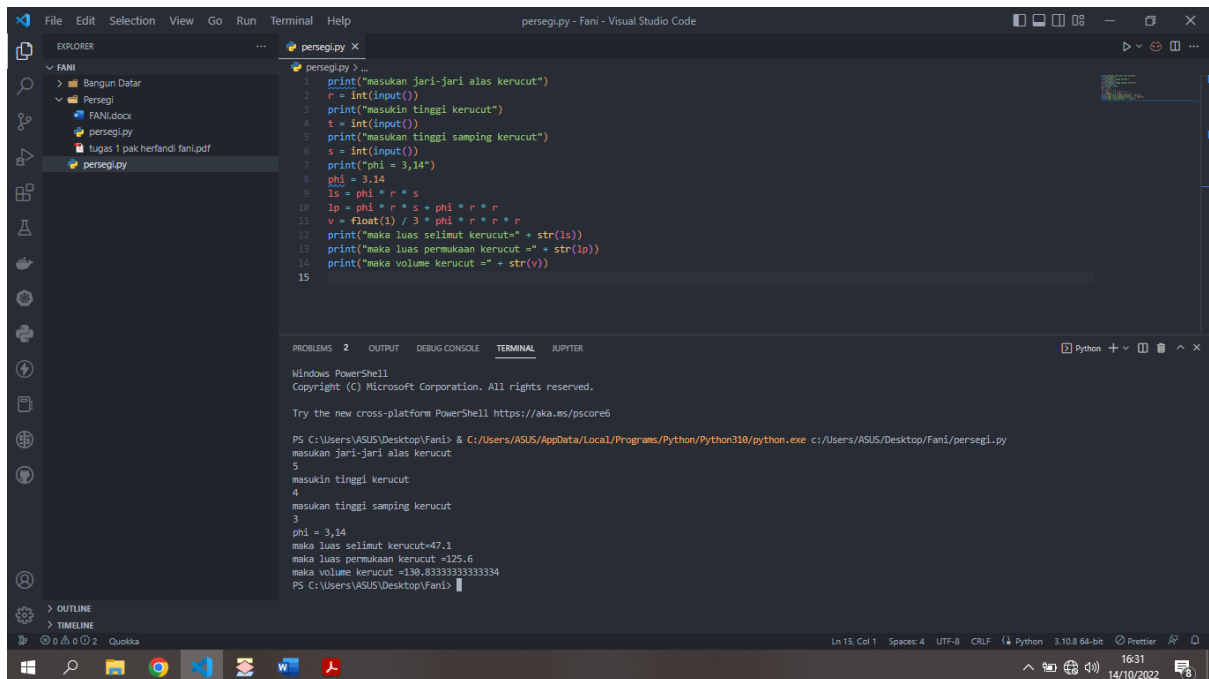
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.
Try the new cross-platform PowerShell <https://aka.ms/pscore6>
PS C:\Users\ASUS\Desktop\Fani> & C:\Users\ASUS\AppData\Local\Programs\Python\Python310\python.exe c:\Users\ASUS\Desktop\Fani\persegi.py
masukan jari-jari (r) tabung
5
masukan tinggi (T) tabung
4
phi =3,14
Traceback (most recent call last):
 File "c:\Users\ASUS\Desktop\Fani\persegi.py", line 10, in <module>
 print("maka luas selimut tabung =" + str(la))
NameError: name 'la' is not defined. Did you mean: 'la'?
PS C:\Users\ASUS\Desktop\Fani>

7. kerucut

Flowarithm



Code python & output VScode



```
1 print("masukan jari-jari alas kerucut")
2 r = int(input())
3 print("masukan tinggi kerucut")
4 t = int(input())
5 print("masukan tinggi samping kerucut")
6 s = int(input())
7 print("phi = 3,14")
8 phi = 3.14
9 ls = phi * r * s
10 lp = phi * r * s + phi * r * r
11 v = float(t) / 3 * phi * r * r * r
12 print("maka luas selimut kerucut=" + str(ls))
13 print("maka luas permukaan kerucut =" + str(lp))
14 print("maka volume kerucut =" + str(v))
15
```

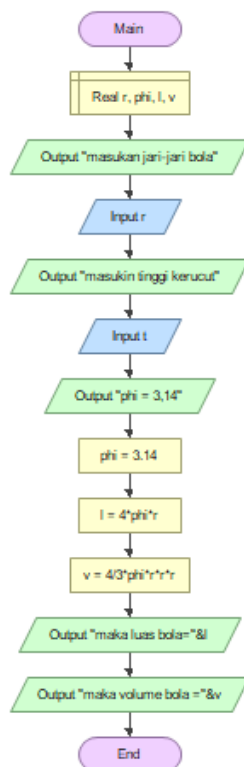
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

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

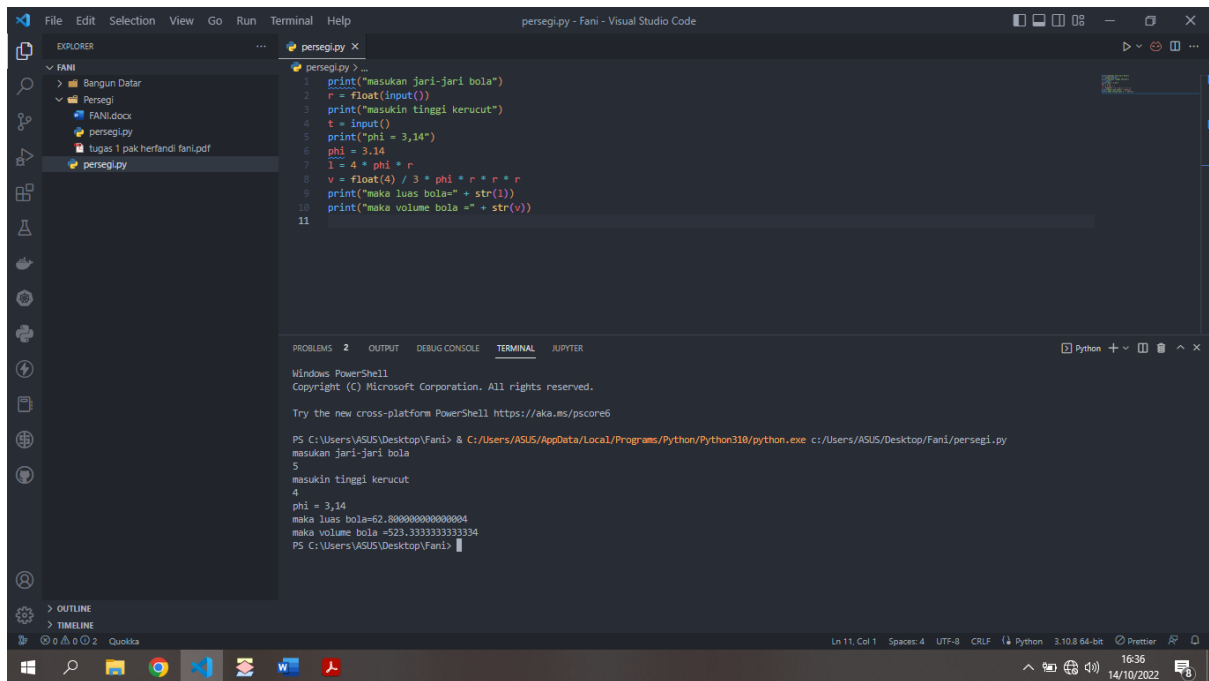
PS C:\Users\ASUS\Desktop\Fani> & C:\Users\ASUS\AppData\Local\Programs\Python\Python310\python.exe c:\Users\ASUS\Desktop\Fani\persegi.py
masukan jari-jari alas kerucut
5
masukan tinggi kerucut
4
masukan tinggi samping kerucut
3
phi = 3,14
maka luas selimut kerucut=47.1
maka luas permukaan kerucut =125.6
maka volume kerucut =150.83333333333334
PS C:\Users\ASUS\Desktop\Fani>

8. bola

Flowarithm



Code python & output VScode



The image shows a Visual Studio Code window with a Python file named `persegi.py` and a terminal window showing the execution output.

Code in `persegi.py`:

```
1 print("masukan jari-jari bola")
2 r = float(input())
3 print("masukan tinggi kerucut")
4 t = input()
5 print("phi = 3,14")
6 phi = 3,14
7 l = 4 * phi * r
8 v = float(4) / 3 * phi * r * r * r
9 print("maka luas bola=" + str(l))
10 print("maka volume bola =" + str(v))
11
```

Terminal Output:

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

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

PS C:\Users\AGUS\Desktop\Fani> & C:/Users/AGUS/AppData/Local/Programs/Python/Python310/python.exe c:/Users/AGUS/Desktop/Fani/persegi.py
masukan jari-jari bola
5
masukan tinggi kerucut
4
phi = 3,14
maka luas bola=62,800000000000004
maka volume bola =523,3333333333334
PS C:\Users\AGUS\Desktop\Fani>
```

The terminal output shows the execution of the Python script. It prompts for the radius (5) and height (4) of the sphere, then calculates and displays the area (62,800000000000004) and volume (523,3333333333334) of the sphere.