

Nama :Radimas Audisyah Rahmana

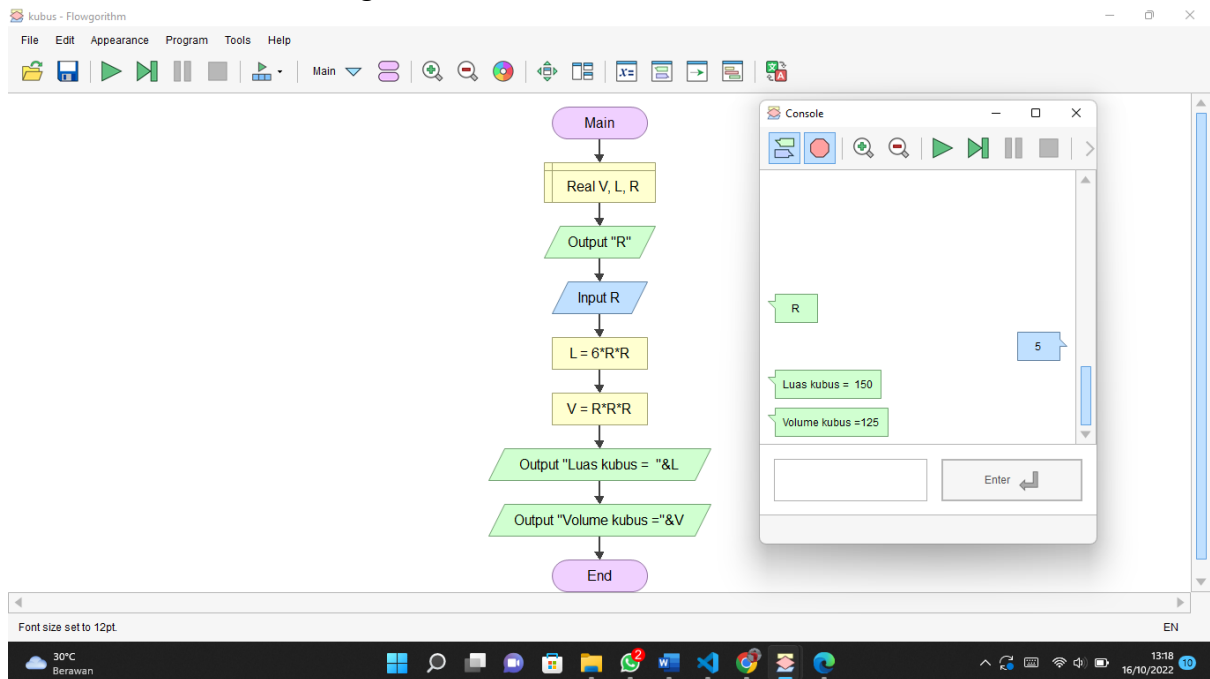
Nim : 211001011

Kelas : D

Tugas ke – 12

1. Kubus

- Praktik Flowgarithm



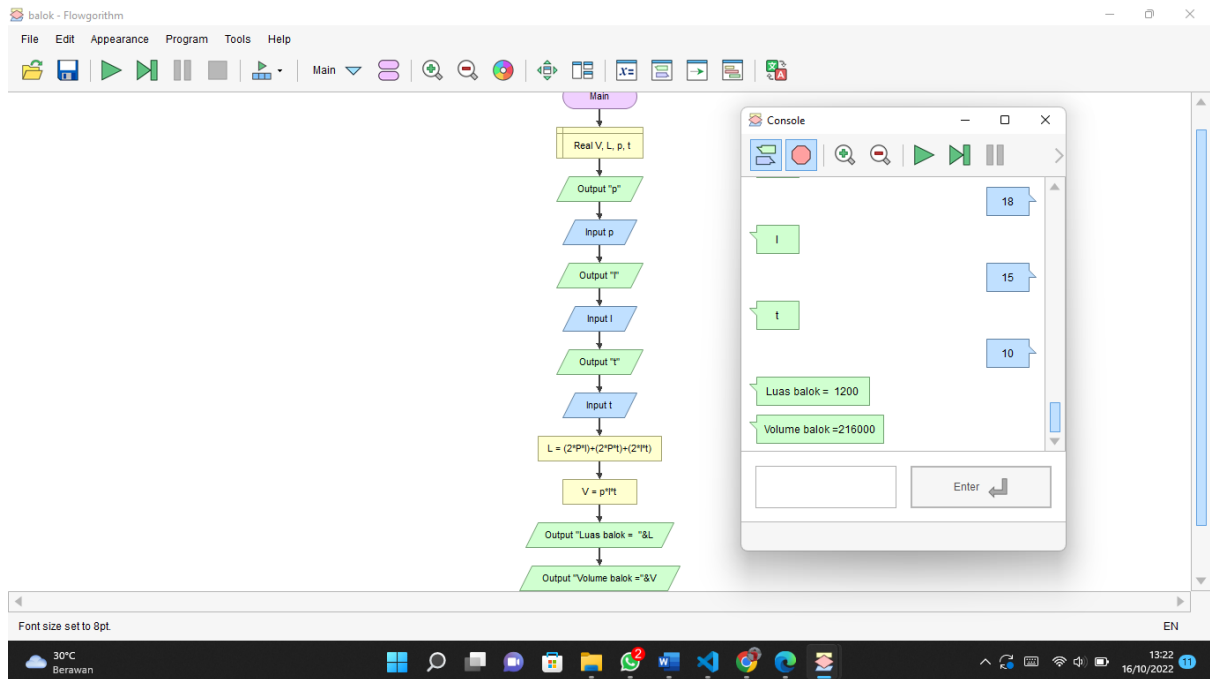
- Praktik VS Code

The screenshot shows the VS Code editor with a Python file named '18. Kubus.py'. The code defines the radius 'R' as an integer input, calculates the surface area 'L' and volume 'V', and prints the results. The terminal window shows the execution of the script, displaying the input '5' and the calculated values 'Luas kubus = 150' and 'Volume kubus = 125'.

```
1 R = int(input("R = "))
2 L = 6 * R * R
3 V = R * R * R
4 print("Luas kubus = " + str(L))
5 print("Volume kubus = " + str(V))
```

2. Balok

- Praktik Flowgorithm



- Praktik VS Code

The image shows a Visual Studio Code editor with a Python script named '19. Balok.py'. The script takes three inputs: p, l, and t, and calculates the surface area (Luas balok) and volume (Volume balok). The console output shows the program's execution with inputs p=18, l=15, and t=10, resulting in 'Luas balok = 1200' and 'Volume balok = 216000'.

```
1 p = int(input("p = "))
2 l = int(input("l = "))
3 t = int(input("t = "))
4 L = (2 * p * l) + (2 * p * t) + (2 * l * t)
5 V = p * l * t
6 print("Luas balok = " + str(L))
7 print("Volume balok = " + str(V))
```

Terminal Output:

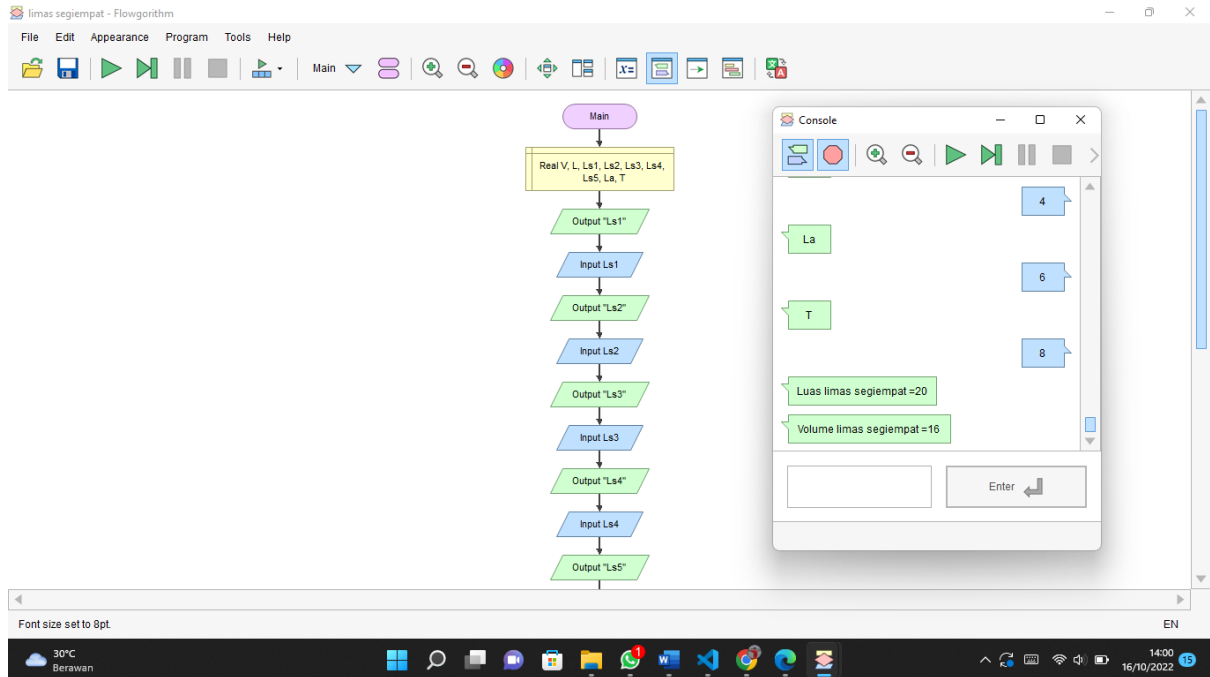
```
Windows PowerShell
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PS C:\Users\USER\Documents\Python vscode> "C:/Program Files/Python310/python.exe" "c:/Users/USER/Documents/Python vscode/Radimas/19. Balok.py"
p = 18
l = 15
t = 10
Luas balok = 1200
Volume balok = 216000
PS C:\Users\USER\Documents\Python vscode>
```

3. Limas segiempat

- Praktik Flowgorithm



- Praktik VS Code

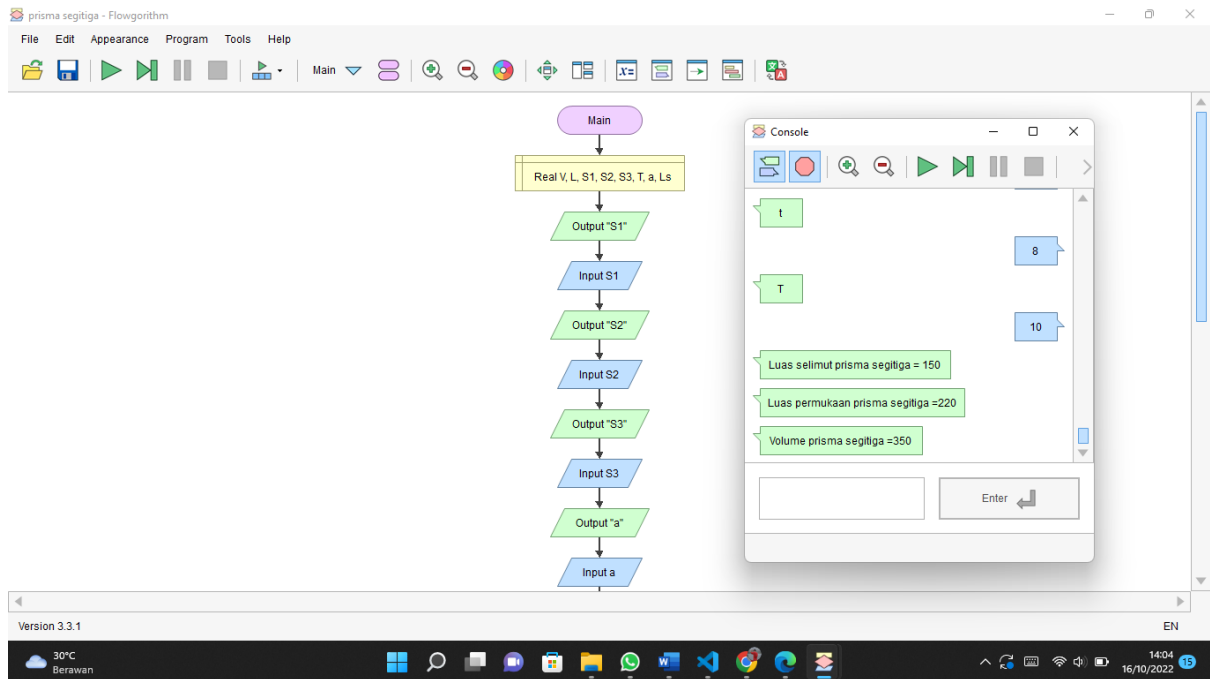
```
20. Limas segiempat.py
1  l1 = int(input("l1 = "))
2  l2 = int(input("l2 = "))
3  l3 = int(input("l3 = "))
4  l4 = int(input("l4 = "))
5  l5 = int(input("l5 = "))
6  la = int(input("la = "))
7  t = int(input("t = "))
8  L = l1 + l2 + l3 + l4 + l5
9  V = la * t // 3
10 print("Luas limas segiempat = " + str(L))
11 print("Volume limas = " + str(V))
```

The terminal output shows the execution of the program with the following input and output:

```
PS C:\Users\USER\Documents\Python vscode> "C:/Program Files/Python310/python.exe" "c:/Users/USER/Documents/Python vscode/Radimas/20. Limas segie
mpat.py"
l1 = 4
l2 = 4
l3 = 4
l4 = 4
l5 = 4
la = 6
t = 8
Luas limas segiempat = 20
Volume limas = 16
PS C:\Users\USER\Documents\Python vscode>
```

4. Prisma segitiga

- Praktik Flowgorithm



- Praktik VS Code

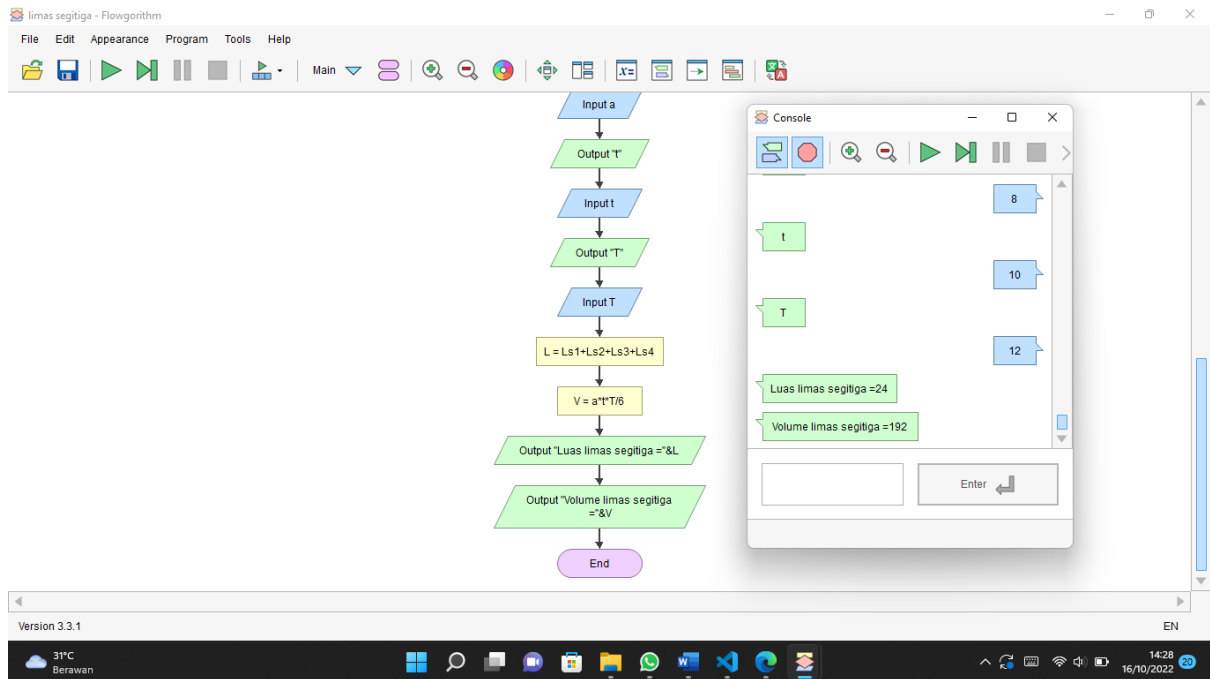
```
Radimas > 21. Prisma segitiga.py > ...
1 S1 = int(input("S1 = "))
2 S2 = int(input("S2 = "))
3 S3 = int(input("S3 = "))
4 a = int(input("a = "))
5 t = int(input("t = "))
6 T = int(input("T = "))
7 Ls = (S1 + S2 + S3) * T
8 L = (S1 + S2 + S3) * T + (a * t)
9 V = a * t * T // 2
10 print("Luas selimut prisma segitiga = " + str(Ls))
11 print("Luas permukaan prisma segitiga = " + str(L))
12 print("Volume prisma segitiga = " + str(V))
```

Terminal Output:

```
PS C:\Users\USER\Documents\Python vscode> "C:/Program Files/Python310/python.exe" "C:/Users/USER/Documents/Python vscode/Radimas/21. Prisma segitiga.py"
S1 = 5
S2 = 5
S3 = 5
a = 7
t = 8
T = 10
Luas selimut prisma segitiga = 150
Luas permukaan prisma segitiga = 286
Volume prisma segitiga = 280
PS C:\Users\USER\Documents\Python vscode>
```

5. Limas segitiga

- Praktik Flowgorithm



- Praktik VS Code

The image shows a Visual Studio Code editor window with a Python script titled "22. Limas segitiga.py". The script calculates the area and volume of a triangular pyramid based on user input.

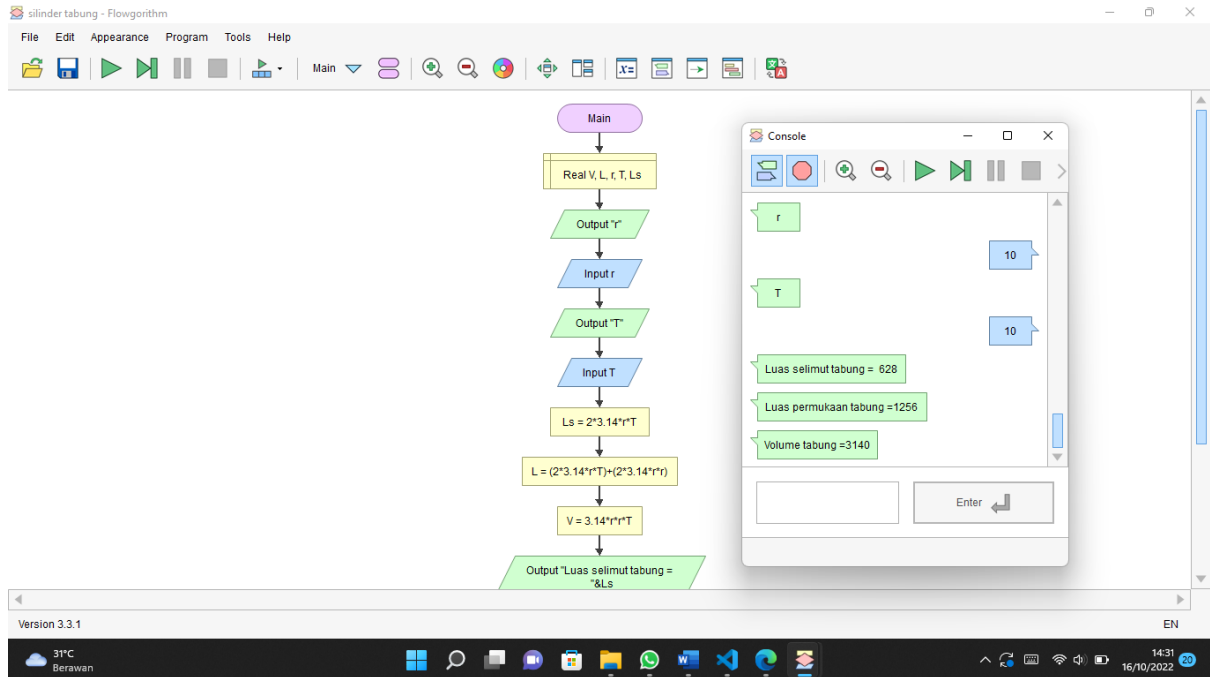
```
1 ls1 = int(input("ls1 = "))
2 ls2 = int(input("ls2 = "))
3 ls3 = int(input("ls3 = "))
4 ls4 = int(input("ls4 = "))
5 a = int(input("a = "))
6 t = int(input("t = "))
7 T = int(input("T = "))
8 L = ls1 + ls2 + ls3 + ls4
9 V = a * t * T // 6
10 print("Luas limas segitiga = " + str(L))
11 print("Volume limas segitiga = " + str(V))
```

The terminal output shows the execution of the script with the following inputs and results:

```
ls1.py"
ls1 = 6
ls2 = 6
ls3 = 6
ls4 = 6
a = 8
t = 10
T = 12
Luas limas segitiga = 24
Volume limas segitiga = 160
PS C:\Users\USER\Documents\Python vscode> "C:/Program Files/Python310/python.exe" "c:/Users/USER/Documents/Python vscode/Radimas/22. Limas segitiga.py"
ls1 =
```

6. Selinder tabung

- Praktik Flowgorithm



- Praktik VS Code

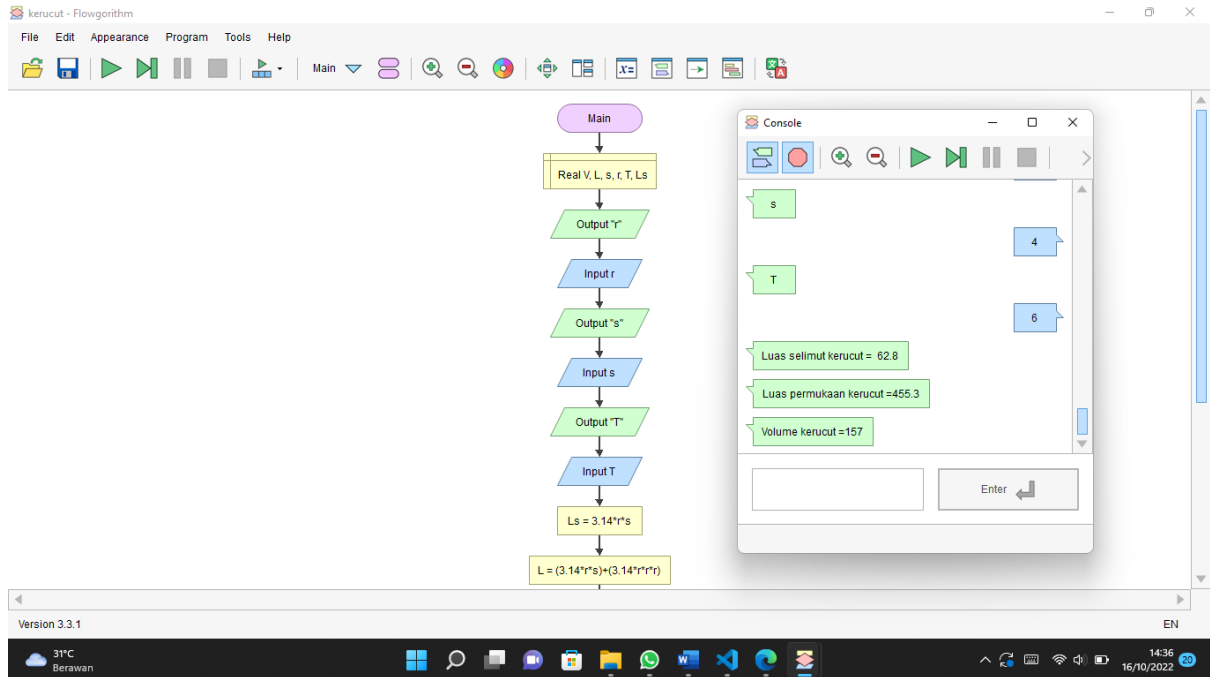
The image shows a Visual Studio Code window with a Python file named "23. Selinder tabung.py". The code is as follows:

```
1 r = int(input("r = "))
2 T = int(input("T = "))
3 Ls = 2 * 3.14 * r * T
4 L = (2 * 3.14 * r * T) + (2 * 3.14 * r * r)
5 V = 3.14 * r * r * T
6 print("Luas selimut tabung = " + str(Ls))
7 print("Luas permukaan tabung = " + str(L))
8 print("Volume tabung = " + str(V))
```

The terminal output shows the execution results: "r = 10", "T = 10", "Luas selimut tabung = 628.0", "Luas permukaan tabung = 1256.0", and "Volume tabung = 3140.0".

7. Kerucut

- Praktik Flogorithm



- Praktik VS Code

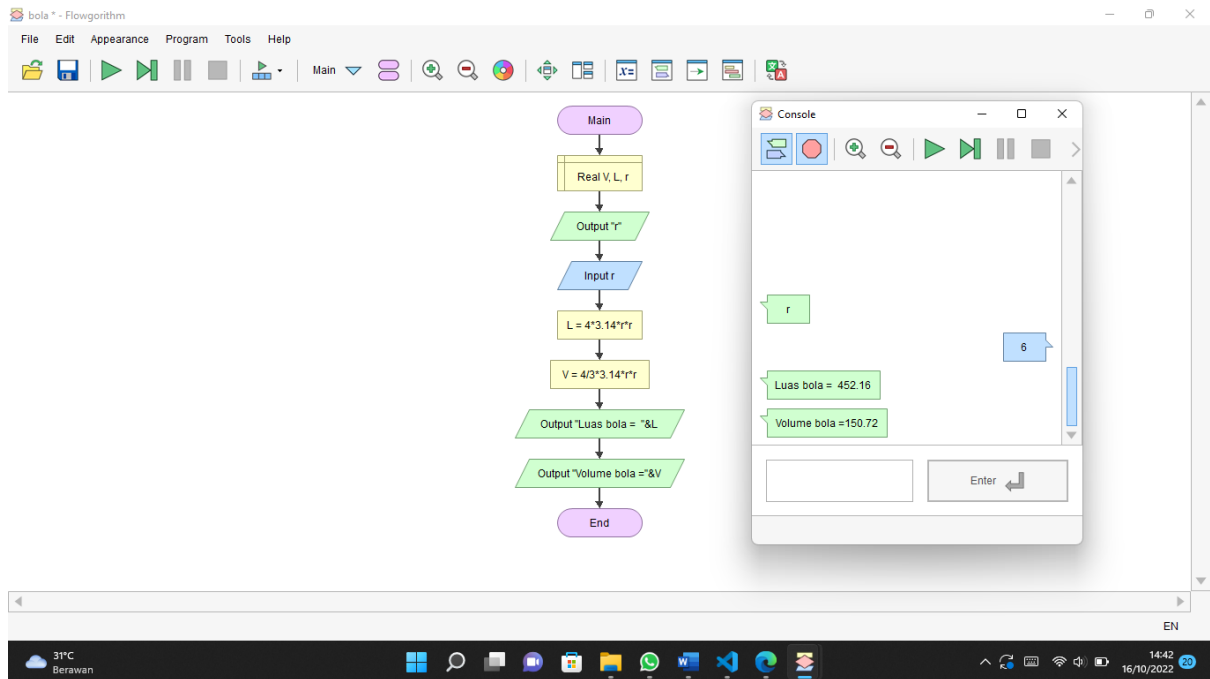
```
Radimas > 24. Kerucut.py > ...
1 r = int(input("r = "))
2 s = int(input("s = "))
3 T = int(input("T = "))
4 Ls = 3.14 * r * s
5 L = (3.14 * r * s) + (3.14 * r * r)
6 V = 3.14 * r * r * T // 3
7 print("Luas selimut kerucut = " + str(Ls))
8 print("Luas permukaan kerucut = " + str(L))
9 print("Volume kerucut = " + str(V))
```

The terminal output shows the execution results for r=5, s=4, and T=6:

```
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PS C:\Users\USER\Documents\Python vscode> "c:/Program Files/Python310/python.exe" "c:/Users/USER/Documents/Python vscode/Radimas/24. Kerucut.py"
r = 5
s = 4
T = 6
Luas selimut kerucut = 62.800000000000004
Luas permukaan kerucut = 455.3
Volume kerucut = 157.0
PS C:\Users\USER\Documents\Python vscode>
```

8. Bola

- Praktik Flowgarithm



- Praktik VS Code

The screenshot shows the VS Code editor with a Python file named '25. Bola.py'. The code calculates the surface area and volume of a sphere based on the radius 'r'.

```
1 r = int(input("r = "))
2 L = 4 * 3.14 * r * r
3 V = 4 // 3 * 3.14 * r * r
4 print("Luas bola = " + str(L))
5 print("Volume bola = " + str(V))
```

The terminal output shows the execution results for 'r = 6':

```
PS C:\Users\USER\Documents\Python vscode> "c:/Program Files/Python310/python.exe" "c:/Users/USER/Documents/Python vscode/Radimas/25. Bola.py"
r = 6
Luas bola = 452.15999999999997
Volume bola = 113.03999999999999
PS C:\Users\USER\Documents\Python vscode>
```