

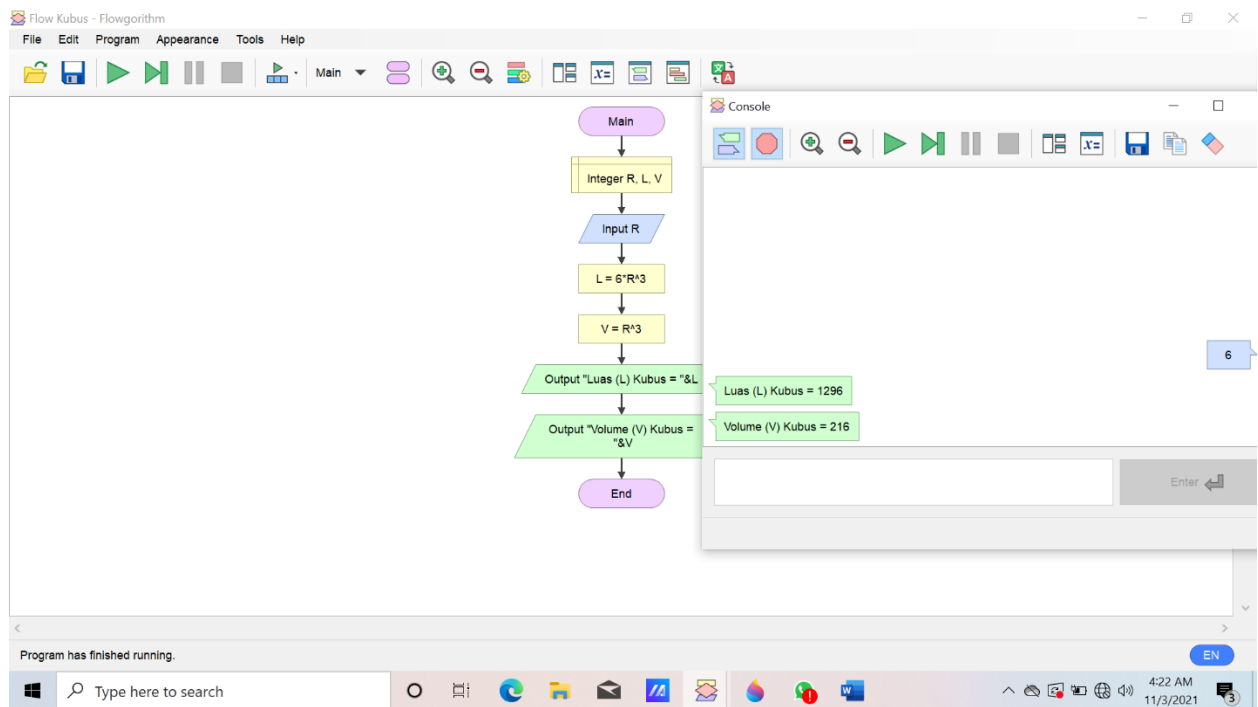
Nama : Fitrah Ramdani

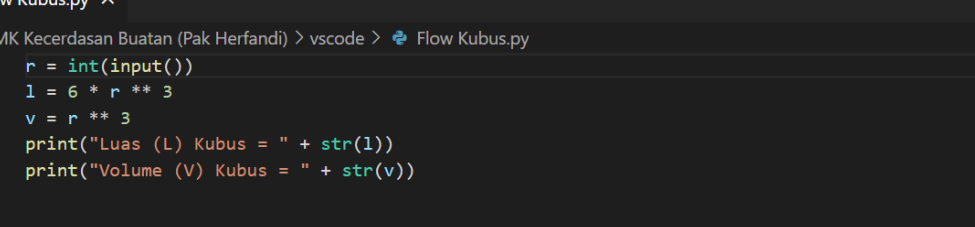
NIM : 20.01.013.021

Kelas : Teknik Informatika B

MK : Kecerdasan Buatan

1. Kubus





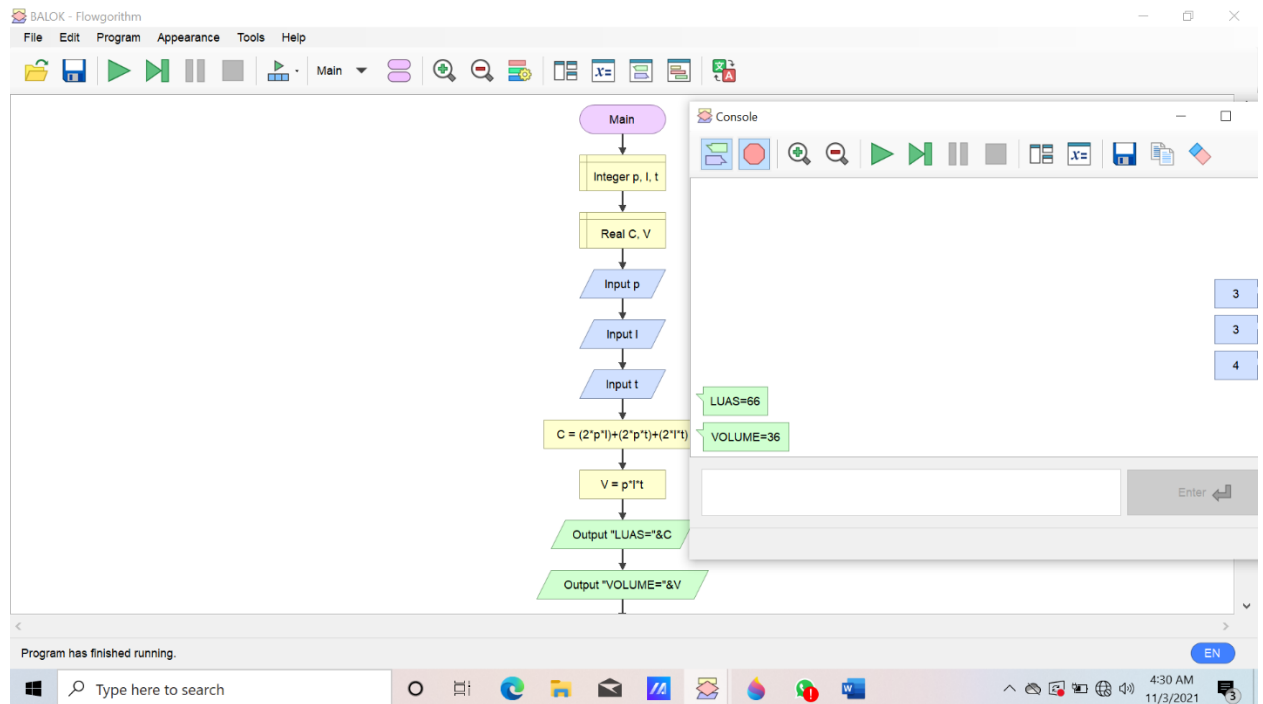
```
D: > MK Kecerdasan Buatan (Pak Herfandi) > vscode > Flow Kubus.py
1  r = int(input())
2  l = 6 * r ** 3
3  v = r ** 3
4  print("Luas (L) Kubus = " + str(l))
5  print("Volume (V) Kubus = " + str(v))
6
```

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

```
PS C:\Users\USER> & C:/Users/USER/AppData/Local/Programs/Python/Python310/python.exe "d:/MK Kecerdasan Buatan (Pak Herfandi)/vscode/Flow Kubus.py"
6
Luas (L) Kubus = 1296
Volume (V) Kubus = 216
PS C:\Users\USER>
```

2. Balok



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

```

1  p = int(input())
2  l = int(input())
3  t = int(input())
4  c = 2 * p * l + 2 * p * t + 2 * l * t
5  v = p * l * t
6  print("LUAS=" + str(c))
7  print("VOLUME=" + str(v))
8

```

The terminal window at the bottom shows the command prompt running the script. The output is:

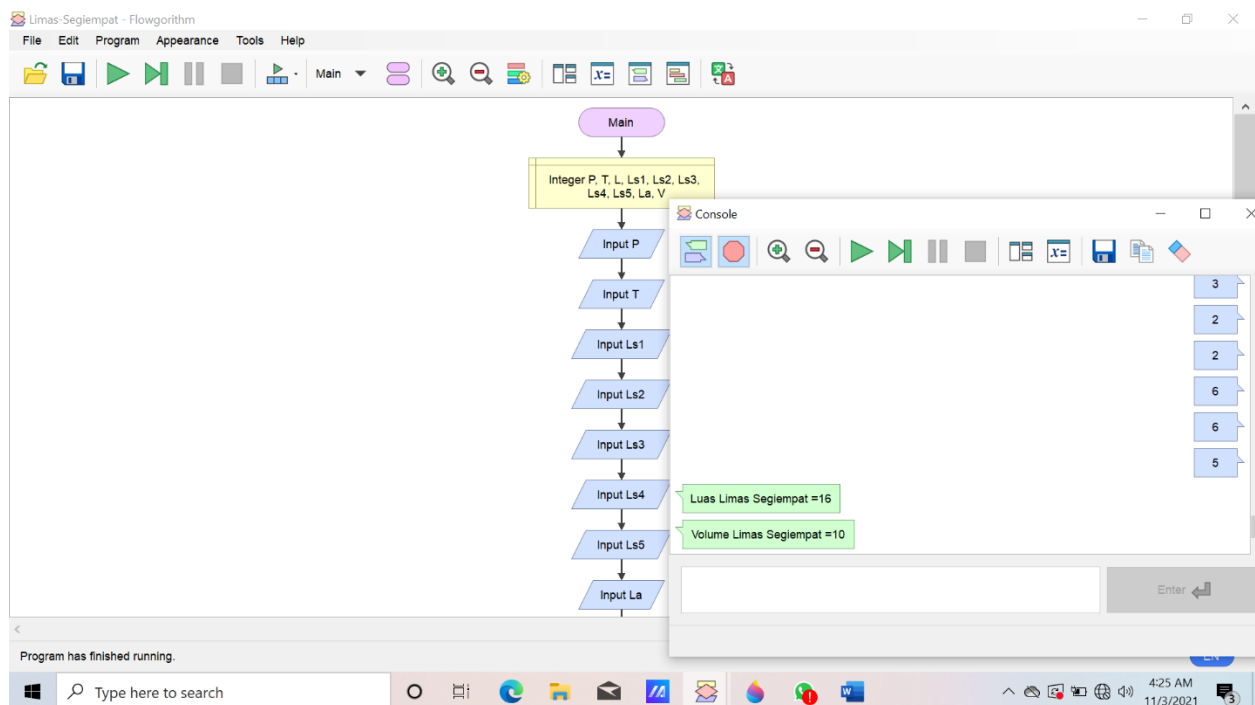
```

PS C:\Users\USER> & C:/Users/USER/AppData/Local/Programs/Python/Python310/python.exe "d:/MK Kecerdasan Buatan (Pak Herfandi)/vscode/BALOK.py"
2
2
2
LUAS=24
VOLUME=8
PS C:\Users\USER>

```

The status bar at the bottom indicates the Python version is 3.10.0 64-bit, with 0 errors and 0 warnings. The file encoding is UTF-8, and the line endings are CRLF.

3. Limas (segiempat)



```

D: > MK Kecerdasan Buatan (Pak Herfandi) > vscode > Limas-Segiempat.py
1  p = int(input())
2  t = int(input())
3  ls1 = int(input())
4  ls2 = int(input())
5  ls3 = int(input())
6  ls4 = int(input())
7  ls5 = int(input())
8  la = int(input())
9  t = int(input())
10 l = ls1 + ls2 + ls3 + ls4 + ls5
11 v = float(l) / 3 * la * t
12 print("Luas Limas Segiempat =" + str(l))
13 print("Volume Limas Segiempat =" + str(v))
14

```

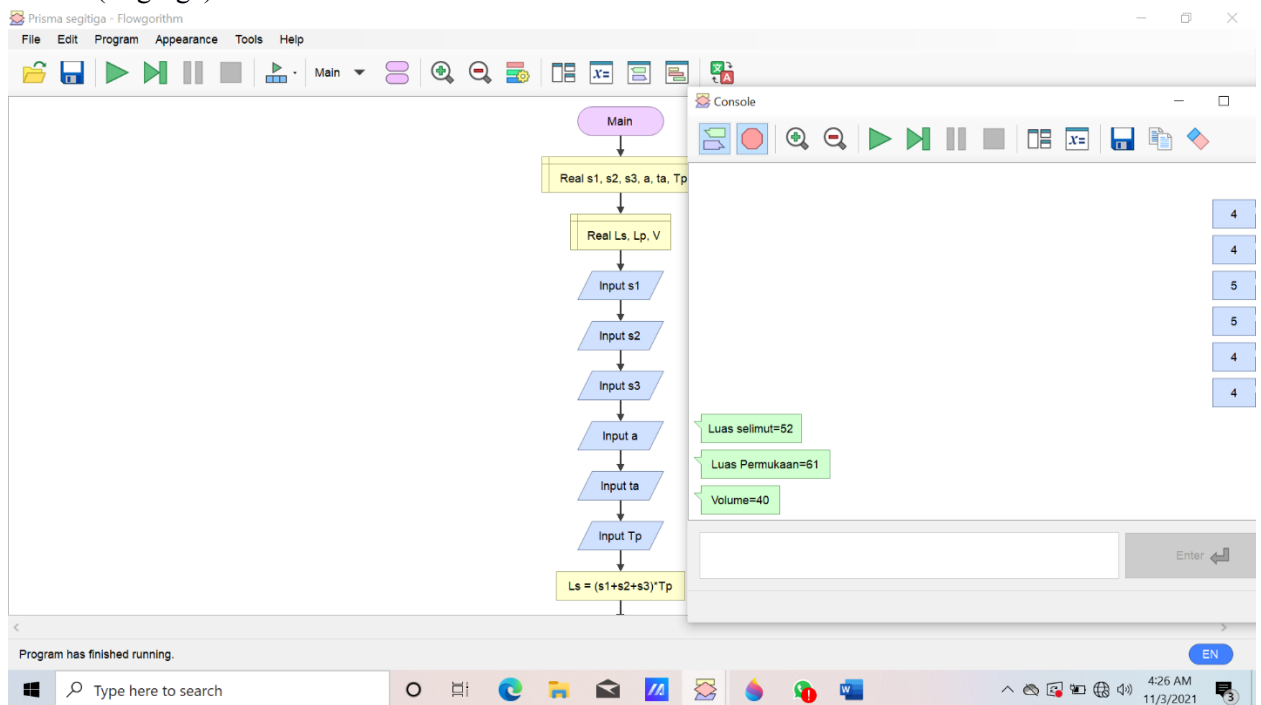
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

Python 3.10.0 64-bit

Ln 1, Col 1 Spaces: 4 UTF-8 CRLF Python

2
6
5
8
9
4
5
7
Luas Limas Segiempat =32
Volume Limas Segiempat =11.666666666666666
PS C:\Users\USER>

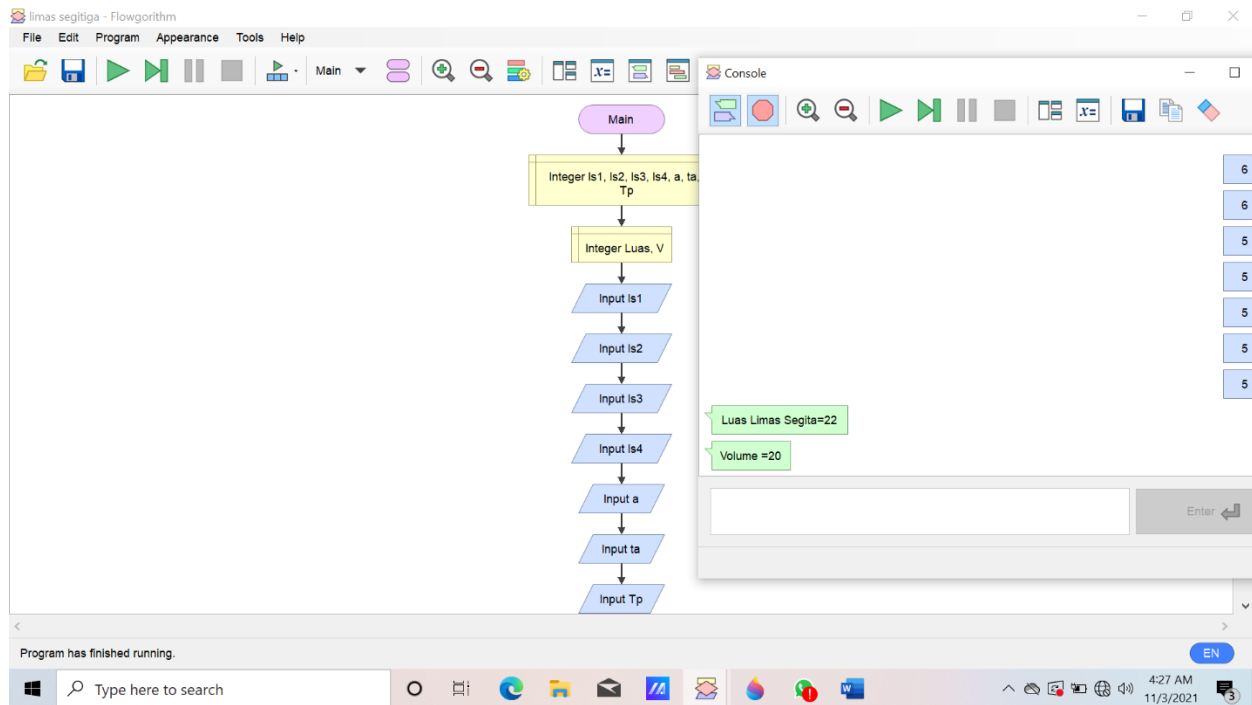
4. Prisma (segitiga)



```
Prisma segitiga.py X
D: > MK Kecerdasan Buatan (Pak Herfandi) > vscode > Prisma segitiga.py
1 s1 = float(input())
2 s2 = float(input())
3 s3 = float(input())
4 a = float(input())
5 ta = float(input())
6 tp = float(input())
7 ls = (s1 + s2 + s3) * tp
8 lp = (s1 + s2 + s3) * tp + a * ta
9 v = float(1) / 2 * a * ta * tp
10 print("Luas selimut=" + str(ls))
11 print("Luas Permukaan=" + str(lp))
12 print("Volume=" + str(v))
13

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
code/Prisma segitiga.py"
3
8
6
5
4
3
Luas selimut=51.0
Luas Permukaan=60.0
Volume=30.0
PS C:\Users\USER>
```

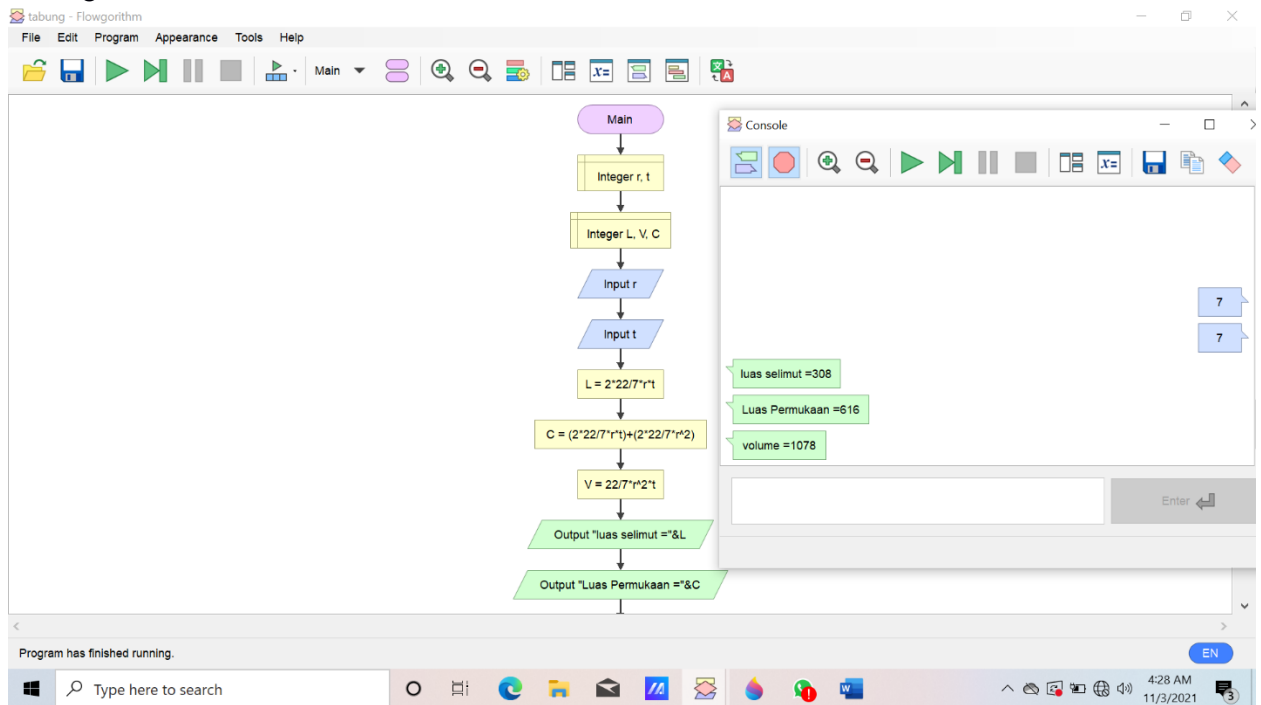
5. Limas (segitiga)



```
limas segitiga.py
D: > MK Kecerdasan Buatan (Pak Herfandi) > vscode > limas segitiga.py
1  ls1 = int(input())
2  ls2 = int(input())
3  ls3 = int(input())
4  ls4 = int(input())
5  a = int(input())
6  ta = int(input())
7  tp = int(input())
8  luas = ls1 + ls2 + ls3 + ls4
9  v = float(1) / 6 * a * ta * tp
10 print("Luas Limas Segita=" + str(luas))
11 print("Volume =" + str(v))
12

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
code/limas segitiga.py
5
2
8
6
5
9
3
Luas Limas Segita=21
Volume =22.499999999999996
PS C:\Users\USER>
```

6. Tabung



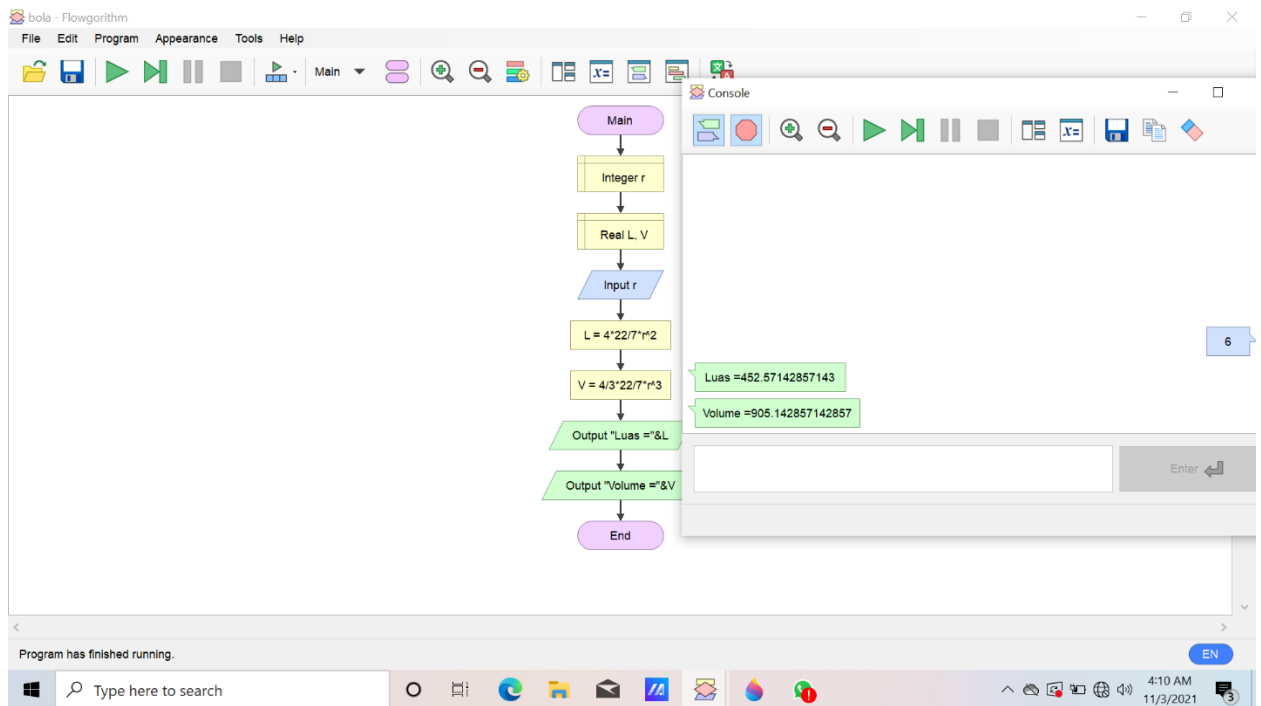
The image shows a Visual Studio Code window with a Python file named `kerucut.py`. The script calculates the lateral surface area and volume of a cone. The terminal shows the execution of the script, which prompts for input and displays the results.

```
D: > MK Kecerdasan Buatan (Pak Herfandi) > vscode > kerucut.py
1 r = float(input())
2 s = float(input())
3 t = float(input())
4 l = float(22) / 7 * r * s
5 c = float(22) / 7 * r * s + (float(22) / 7 + r ** 2)
6 v = float(1) / 3 * 22 / 7 * r ** 2 * t
7 print("luas selimut =" + str(l))
8 print("luas permukaan =" + str(c))
9 print("Volume =" + str(v))
10
```

Terminal output:

```
PS C:\Users\USER> & C:/Users/USER/AppData/Local/Programs/Python/Python310/python.exe "d:/MK Kecerdasan Buatan (Pak Herfandi)/vscode/kerucut.py"
5
7
3
luas selimut =110.0
luas permukaan =138.14285714285714
Volume =78.57142857142858
PS C:\Users\USER>
```

8. Bola



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

```
1 r = int(input())
2 l = float(4 * 22) / 7 * r ** 2
3 v = float(4) / 3 * 22 / 7 * r ** 3
4 print("Luas =" + str(l))
5 print("Volume =" + str(v))
6
```

Below the editor, the **TERMINAL** panel is active, showing a Windows PowerShell session. The command executed is:

```
PS C:\Users\USER> & C:/Users/USER/AppData/Local/Programs/Python/Python310/python.exe "d:/MK Kecerdasan Buatan (Pak Herfandi)/vscode/bola.py"
```

The output of the script is:

```
5
Luas =314.2857142857143
Volume =523.8095238095239
PS C:\Users\USER>
```

The status bar at the bottom indicates the Python version is 3.10.0 64-bit, and the file encoding is UTF-8 with CRLF line endings.