

NAMA : ULFA NOVIANDA
NIM : 20.01.013.042
KELAS : ARTIFICIAL INTELLIGENCE – 3B

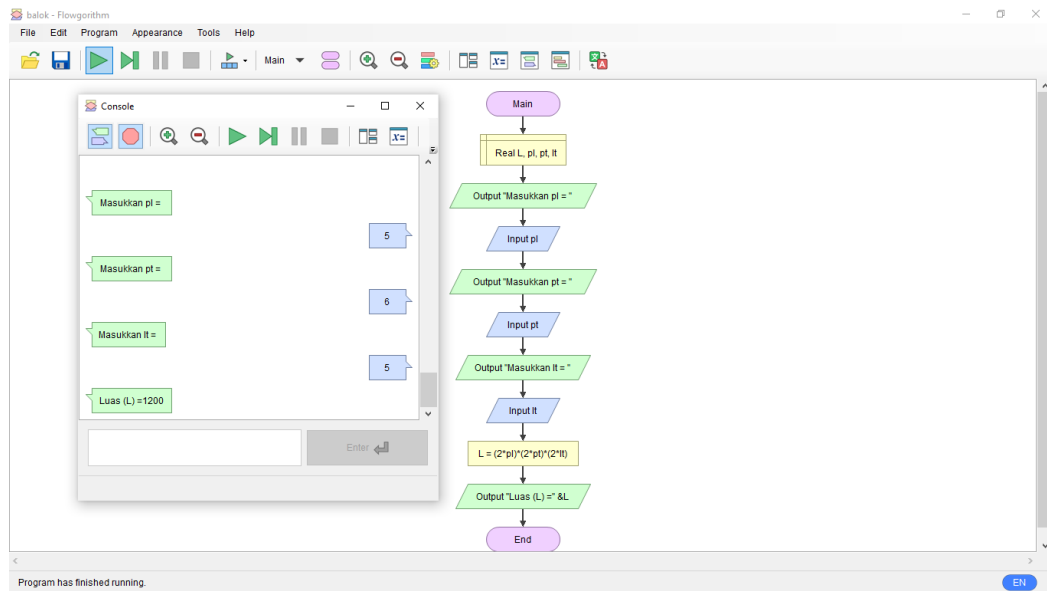
TUGAS PRAKTIKUM V

- **KUBUS**

- Rumus Luas :
- Rumus Volume (ISI) :

- **BALOK**

- Rumus Luas :



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

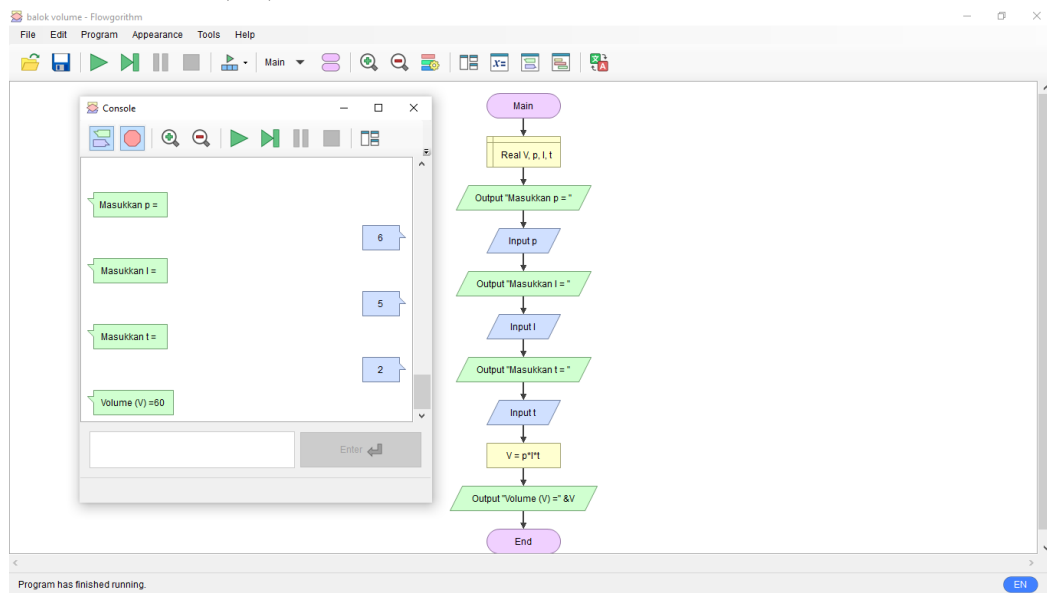
```

1 print("Masukkan p1 = ")
2 p1 = float(input())
3 print("Masukkan pt = ")
4 pt = float(input())
5 print("Masukkan lt = ")
6 lt = float(input())
7 l1 = 2 * p1 * (2 * pt) * (2 * lt)
8 print("Luas (L) =" + str(l1))
9

```

The terminal window at the bottom shows the execution of the script. It prompts for input values: `Masukkan p1 = 5`, `Masukkan pt = 6`, `Masukkan lt = 5`, and finally outputs `Luas (L) =1200.0`.

- Rumus Volume (ISI) :



The image shows a Visual Studio Code editor window with a Python file named `AN.py`. The script prompts the user to input values for `p`, `l`, and `t`, calculates the volume `v = p * l * t`, and prints the result. The terminal at the bottom shows the command to run the script and the resulting output.

```

1 print("Masukkan p = ")
2 p = float(input())
3 print("Masukkan l = ")
4 l = float(input())
5 print("Masukkan t = ")
6 t = float(input())
7 v = p * l * t
8 print("Volume (V) = " + str(v))
9

```

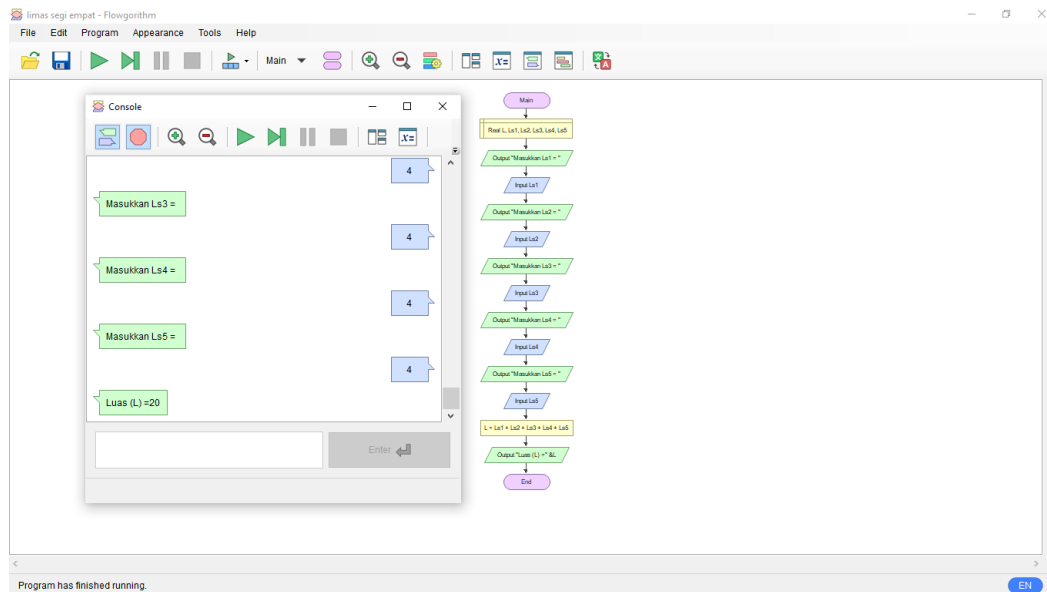
Terminal Output:

```

PS C:\AI_PYTHON LANGUAGE> & C:/Users/ASUS/AppData/Local/Programs/Python/Python39/python.exe "c:/AI_PYTHON LANGUAGE/individu3/AN.py"
Masukkan p =
6
Masukkan l =
5
Masukkan t =
2
Volume (V) =60.0
PS C:\AI_PYTHON LANGUAGE>

```

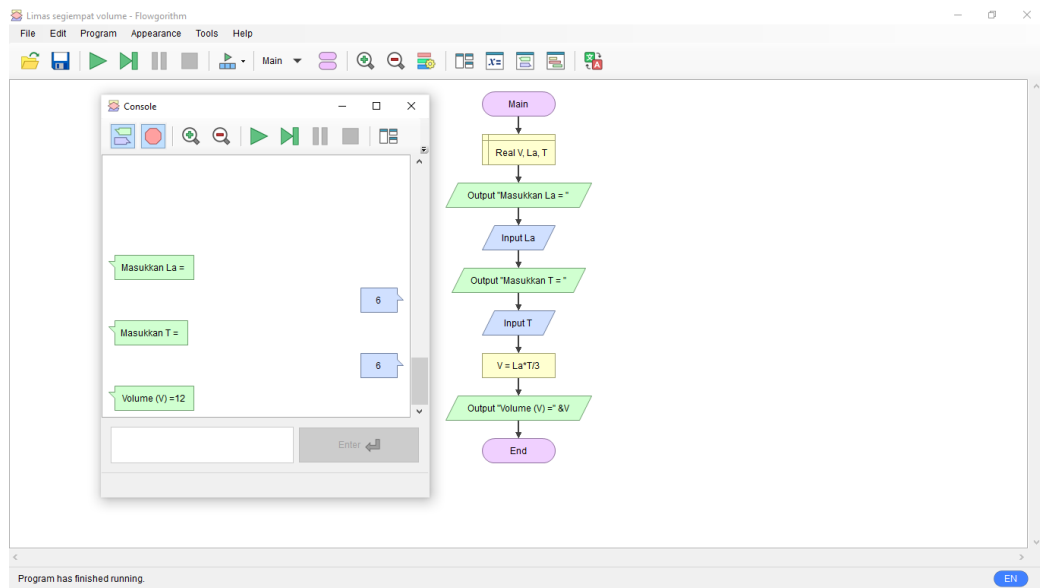
- **LIMAS SEGIEMPAT**
 - Rumus Luas :



```
1 print("Masukkan Ls1 = ")
2 Ls1 = float(input())
3 print("Masukkan Ls2 = ")
4 Ls2 = float(input())
5 print("Masukkan Ls3 = ")
6 Ls3 = float(input())
7 print("Masukkan Ls4 = ")
8 Ls4 = float(input())
9 print("Masukkan Ls5 = ")
10 Ls5 = float(input())
11 L = Ls1 + Ls2 + Ls3 + Ls4 + Ls5
12 print("Luas (L) =" + str(L))
13
```

Masukkan Ls1 = 4
Masukkan Ls2 = 4
Masukkan Ls3 = 4
Masukkan Ls4 = 4
Masukkan Ls5 = 4
Luas (L) =28.0
PS: C:\AI_PYTHON LANGUAGE>

- Rumus Volume (ISI) :



```

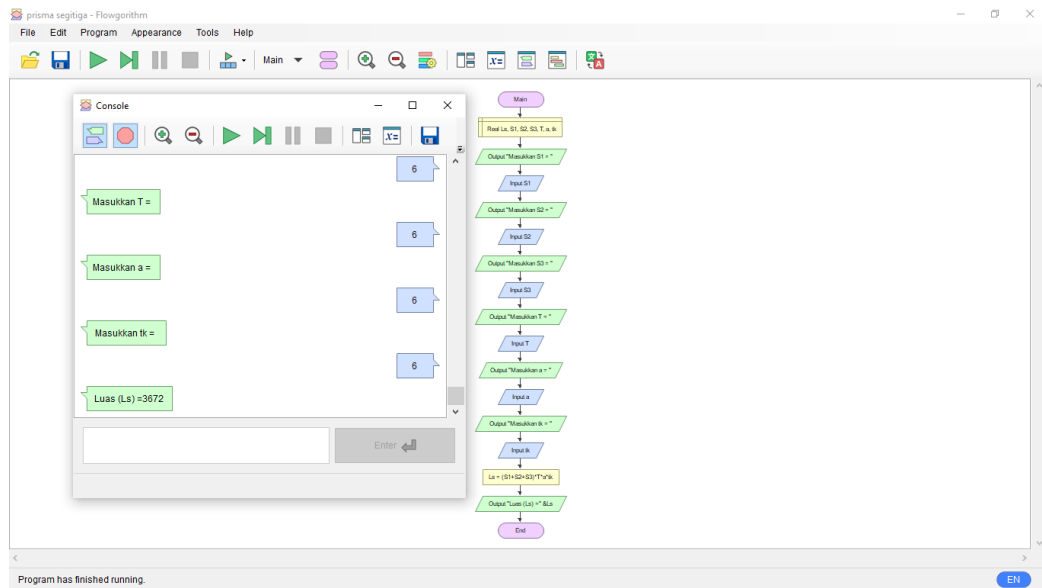
1 print("Masukkan la = ")
2 la = float(input())
3 print("Masukkan t = ")
4 t = float(input())
5 v = la * t / 3
6 print("Volume (V) = " + str(v))
7

```

Windows PowerShell
Copyright (c) Microsoft Corporation. All rights reserved.
Try the new cross-platform PowerShell https://aka.ms/pscore6
PS C:\AI_PYTHON_LANGUAGE> & C:/Users/ASUS/AppData/Local/Programs/Python/Python39/python.exe "c:/AI_PYTHON_LANGUAGE/individu3/AN.py"
Masukkan la =
6
Masukkan t =
6
Volume (V) =12.0
PS C:\AI_PYTHON_LANGUAGE>

• PRISMA SEGITIGA

- Rumus Luas :



```

1 print("Masukkan S1 = ")
2 s1 = float(input())
3 print("Masukkan S2 = ")
4 s2 = float(input())
5 print("Masukkan S3 = ")
6 s3 = float(input())
7 print("Masukkan T = ")
8 t = float(input())
9 print("Masukkan a = ")
10 a = float(input())
11 print("Masukkan tk = ")
12 tk = float(input())
13 ls = (s1 + s2 + s3) * t * a * tk
14 print("Luas (Ls) =" + str(ls))
15

```

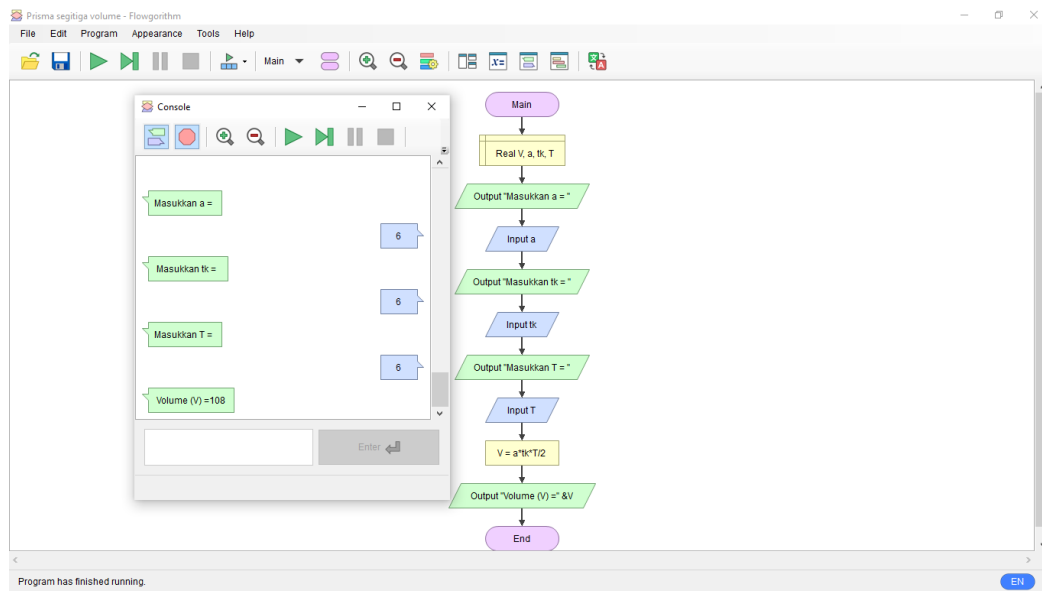
Terminal Output:

```

Masukkan S2 = 5
Masukkan S3 = 6
Masukkan T = 6
Masukkan a = 6
Masukkan tk = 6
Luas (Ls) =3672.0

```

- Rumus Volume (ISI) :



```
File Edit Selection View Go Run Terminal Help
AN.py - AI_PYTHON LANGUAGE - Visual Studio Code

EXPLORER
> AI_PYTHON LANGUAGE
  OUTLINE
  a
  tk
  t
  v

AN.py
1 print("Masukkan a = ")
2 a = float(input())
3 print("Masukkan tk = ")
4 tk = float(input())
5 print("Masukkan t = ")
6 t = float(input())
7 v = a * tk * t / 2
8 print("Volume (V) =" + str(v))
9

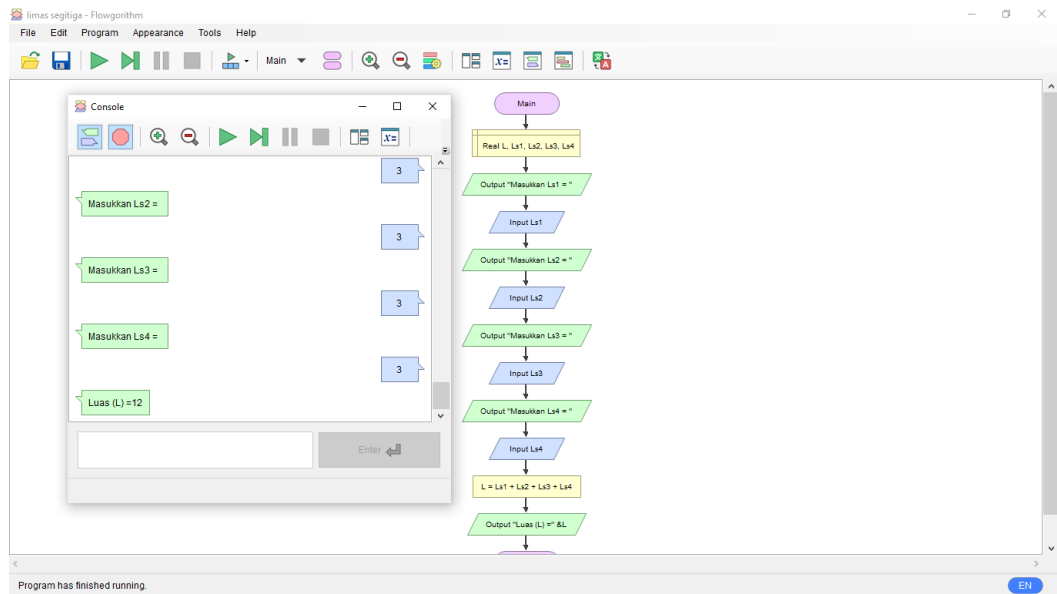
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
Python + -

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

PS C:\AI_PYTHON LANGUAGE> & C:/Users/ASUS/AppData/Local/Programs/Python/Python39/python.exe "c:/AI_PYTHON LANGUAGE/individu3/AN.py"
Masukkan a =
6
Masukkan tk =
6
Masukkan t =
6
Volume (V) =108.0
PS C:\AI_PYTHON LANGUAGE>
```

- **LIMAS SEGITIGA**

- Rumus Luas :

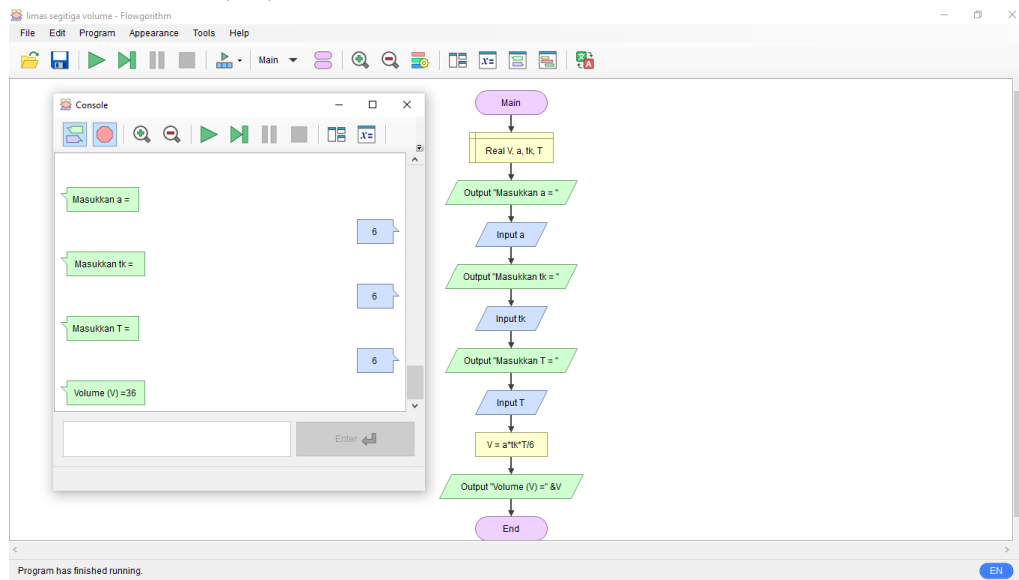


```
1 print("Masukkan l1 = ")
2 l1 = float(input())
3 print("Masukkan l2 = ")
4 l2 = float(input())
5 print("Masukkan l3 = ")
6 l3 = float(input())
7 print("Masukkan l4 = ")
8 l4 = float(input())
9 l = l1 + l2 + l3 + l4
10 print("Luas (L) =" + str(l))
11
```

PS C:\AI_PYTHON LANGUAGE> & C:/Users/ASUS/AppData/Local/Programs/Python/Python39/python.exe "c:/AI_PYTHON LANGUAGE/individu3/AN.py"

Masukkan l1 = 3
Masukkan l2 = 3
Masukkan l3 = 3
Masukkan l4 = 3
Luas (L) =12.0
PS C:\AI_PYTHON LANGUAGE>

- Rumus Volume (ISI) :



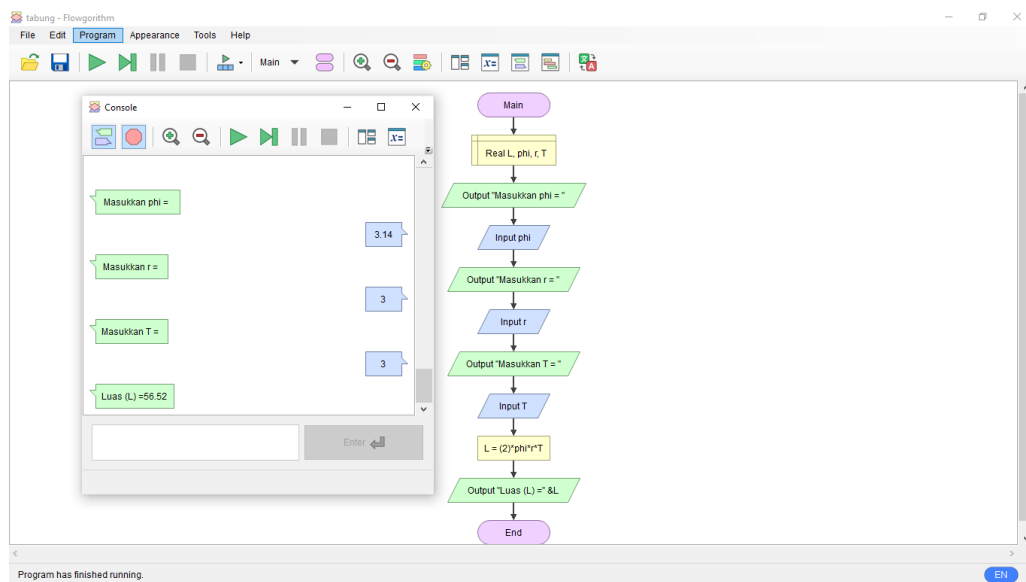

```
1 print("Masukkan a = ")
2 a = float(input())
3 print("Masukkan tk = ")
4 tk = float(input())
5 print("Masukkan t = ")
6 t = float(input())
7 v = a * tk * t / 6
8 print("Volume (V) =" + str(v))
9
```

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

```
PS C:\AI_PYTHON LANGUAGE> & C:/Users/ASUS/AppData/Local/Programs/Python/Python39/python.exe "c:/AI_PYTHON LANGUAGE/individu3/AN.py"
Masukkan a =
6
Masukkan tk =
6
Masukkan t =
6
Volume (V) =36.0
PS C:\AI_PYTHON LANGUAGE>
```

- **SELINDER (TABUNG)**

- Rumus Luas :



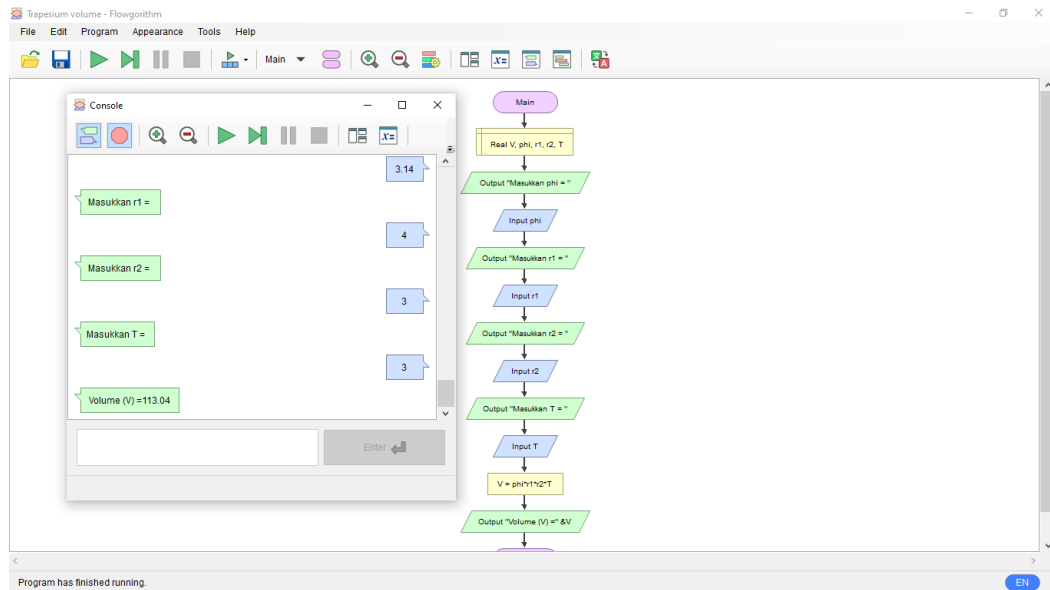
The image shows a Visual Studio Code window with a Python file named `AN.py`. The code is as follows:

```
1 print("Masukkan phi = ")
2 phi = float(input())
3 print("Masukkan r = ")
4 r = float(input())
5 print("Masukkan T = ")
6 t = float(input())
7 l = 2 * phi * r * t
8 print("Luas (L) = " + str(l))
9
```

The terminal at the bottom shows the execution of the script using `python.exe`. The output is:

```
PS C:\AI_PYTHON LANGUAGE> & C:/Users/ASUS/AppData/Local/Programs/Python/Python39/python.exe "c:/AI_PYTHON LANGUAGE/individu3/AN.py"
Masukkan phi = 3.14
Masukkan r = 3
Masukkan T = 3
Luas (L) =56.519999999999996
PS C:\AI_PYTHON LANGUAGE>
```

- Rumus Volume (ISI) :



```

1 print("Masukkan phi = ")
2 phi = float(input())
3 print("Masukkan r1 = ")
4 r1 = float(input())
5 print("Masukkan r2 = ")
6 r2 = float(input())
7 print("Masukkan t = ")
8 t = float(input())
9 v = phi * r1 * r2 * t
10 print("Volume (V) =" + str(v))
11

```

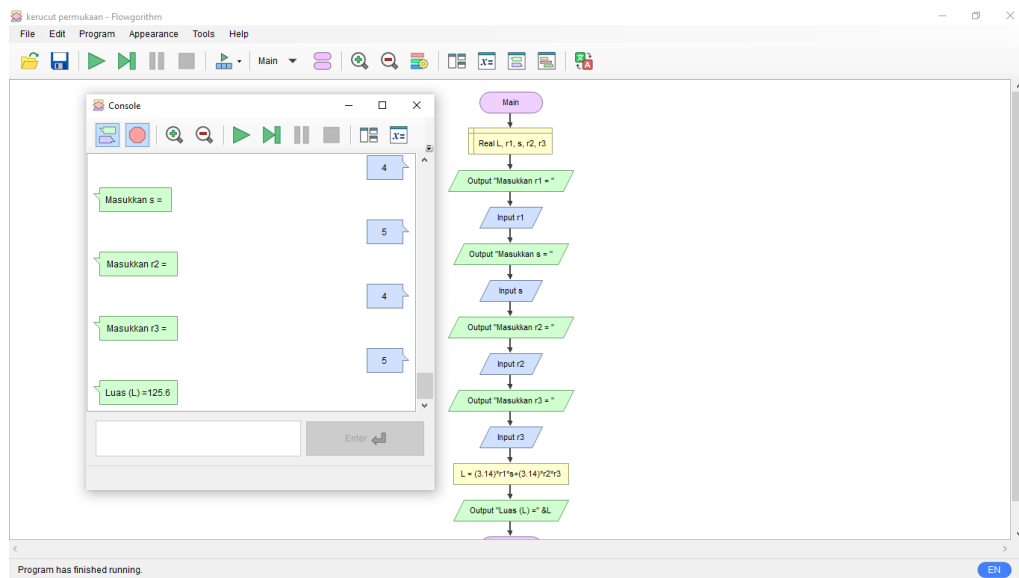
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

```

PS C:\AI_PYTHON LANGUAGE> & C:/Users/ASUS/AppData/Local/Programs/Python/Python39/python.exe "c:/AI_PYTHON LANGUAGE/individu3/AN.py"
Masukkan phi = 3.14
Masukkan r1 = 4
Masukkan r2 = 3
Masukkan t = 3
Volume (V) ~113.83999999999999
PS C:\AI_PYTHON LANGUAGE>

```

- **KERUCUT**
- Rumus Luas :

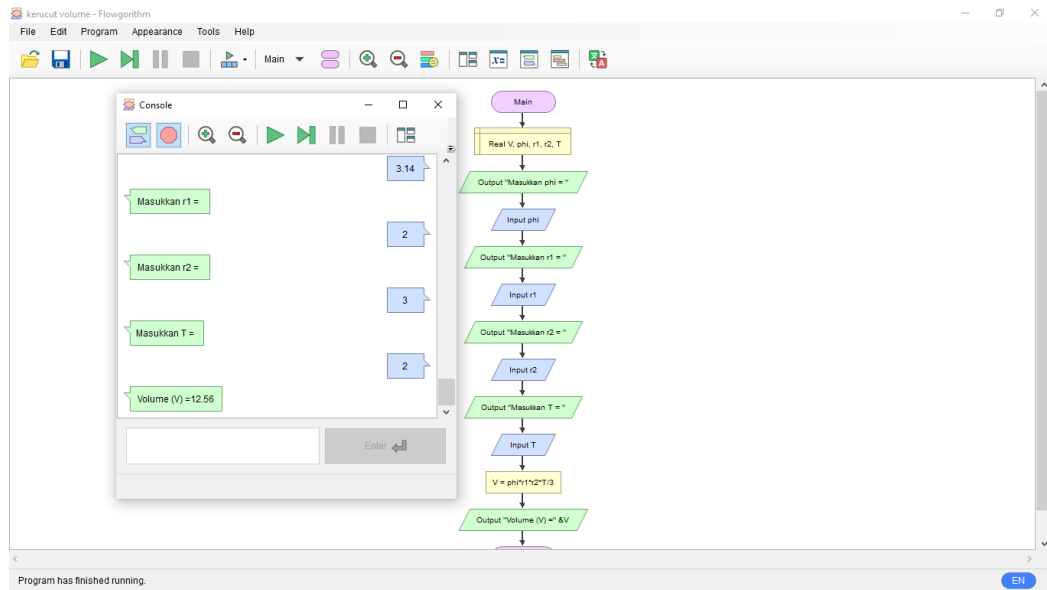


```
1 print("Masukkan r1 = ")
2 r1 = float(input())
3 print("Masukkan s = ")
4 s = float(input())
5 print("Masukkan r2 = ")
6 r2 = float(input())
7 print("Masukkan r3 = ")
8 r3 = float(input())
9 l = 3.14 * r1 * s + 3.14 * r2 * r3
10 print("Luas (L) =" + str(l))
11
```

PS C:\AI_PYTHON LANGUAGE> & C:/Users/ASUS/AppData/Local/Programs/Python/Python39/python.exe "c:/AI_PYTHON LANGUAGE/Individu3/AN.py"

Masukkan r1 = 4
Masukkan s = 5
Masukkan r2 = 4
Masukkan r3 = 5
Luas (L) =125.60000000000001
PS C:\AI_PYTHON LANGUAGE>

- Rumus Volume (ISI) :



The screenshot shows a Visual Studio Code window with a Python file named `AN.py` open. The code is as follows:

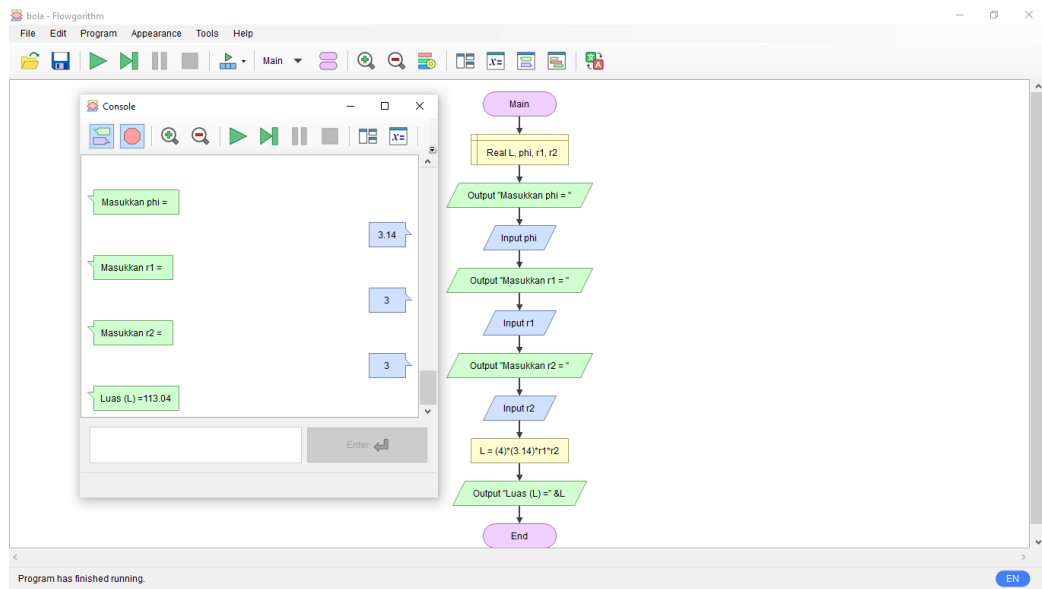
```
1 print("Masukkan phi = ")
2 phi = float(input())
3 print("Masukkan r1 = ")
4 r1 = float(input())
5 print("Masukkan r2 = ")
6 r2 = float(input())
7 print("Masukkan t = ")
8 t = float(input())
9 v = phi * r1 * r2 * t / 3
10 print("Volume (V) =" + str(v))
11
```

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

```
PS C:\AI_PYTHON LANGUAGE> C:/Users/ASUS/AppData/Local/Programs/Python/Python39/python.exe "c:/AI_PYTHON LANGUAGE/individu3/AN.py"
Masukkan phi = 3.14
Masukkan r1 = 2
Masukkan r2 = 3
Masukkan t = 2
Volume (V) =12.56
PS C:\AI_PYTHON LANGUAGE>
```

- **BOLA**

- Rumus Luas :



```

1 print("Masukkan phi = ")
2 phi = float(input())
3 print("Masukkan r1 = ")
4 r1 = float(input())
5 print("Masukkan r2 = ")
6 r2 = float(input())
7 l = 4 * 3.14 * r1 * r2
8 print("Luas (l) = " + str(l))
9

```

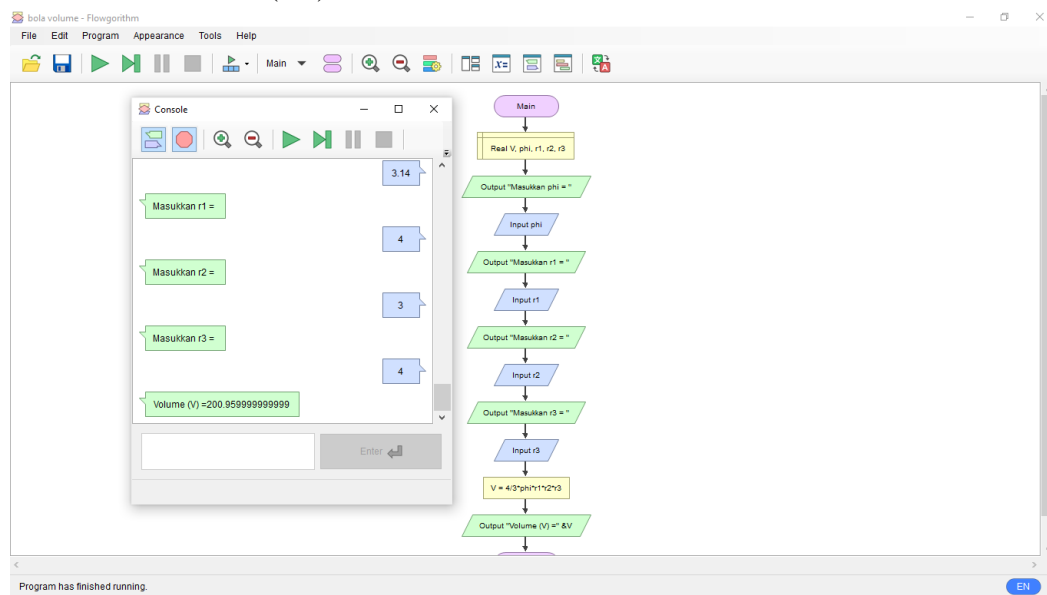
Try the new cross-platform PowerShell <https://aka.ms/pscore6>

```

PS C:\AI_PYTHON LANGUAGE> & C:/Users/ASUS/AppData/Local/Programs/Python/Python39/python.exe "c:/AI_PYTHON LANGUAGE/individu3/AN.py"
Masukkan phi =
3.14
Masukkan r1 =
3
Masukkan r2 =
3
Luas (l) =113.03999999999999
PS C:\AI_PYTHON LANGUAGE>

```

- Rumus Volume (ISI) :



```

1 print("Masukkan phi = ")
2 phi = float(input())
3 print("Masukkan r1 = ")
4 r1 = float(input())
5 print("Masukkan r2 = ")
6 r2 = float(input())
7 print("Masukkan r3 = ")
8 r3 = float(input())
9 v = float(4) / 3 * phi * r1 * r2 * r3
10 print("Volume (V) = " + str(v))
11

```

```

PS C:\AI_PYTHON LANGUAGE> & C:/Users/ASUS/AppData/Local/Programs/Python/Python39/python.exe "c:/AI_PYTHON LANGUAGE/individu3/AN.py"

```

