

NAMA : ADITYA FA'ATHIR B.

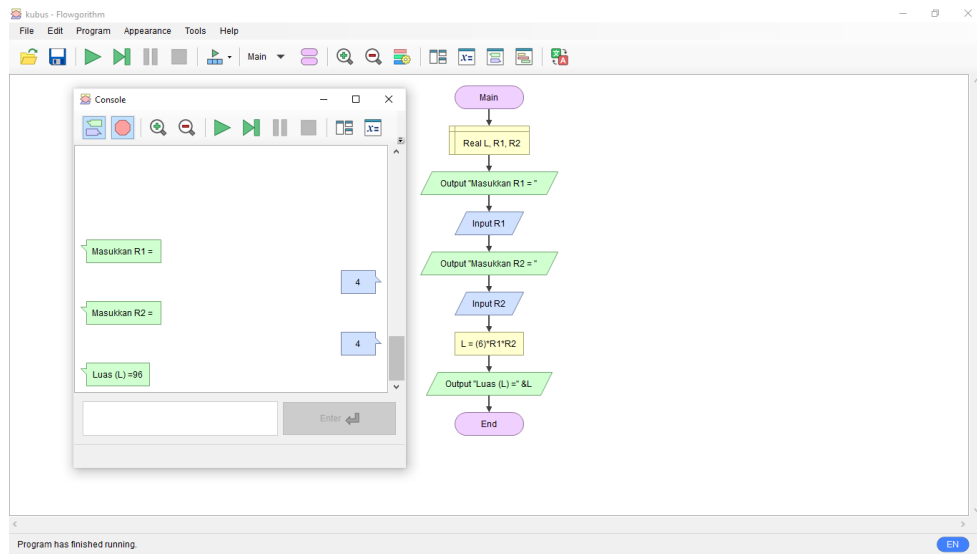
NIM : 20.01.013.035

KELAS : AI B

TUGAS PRAKTIKUM V

- **KUBUS**

- Rumus Luas :



The image shows a Visual Studio Code editor with a Python script for calculating the surface area of a cube. The script is as follows:

```
1 print("Masukkan R1 = ")
2 r1 = float(input())
3 print("Masukkan R2 = ")
4 r2 = float(input())
5 l = 6 * r1 * r2
6 print("Luas (L) =" + str(l))
7
```

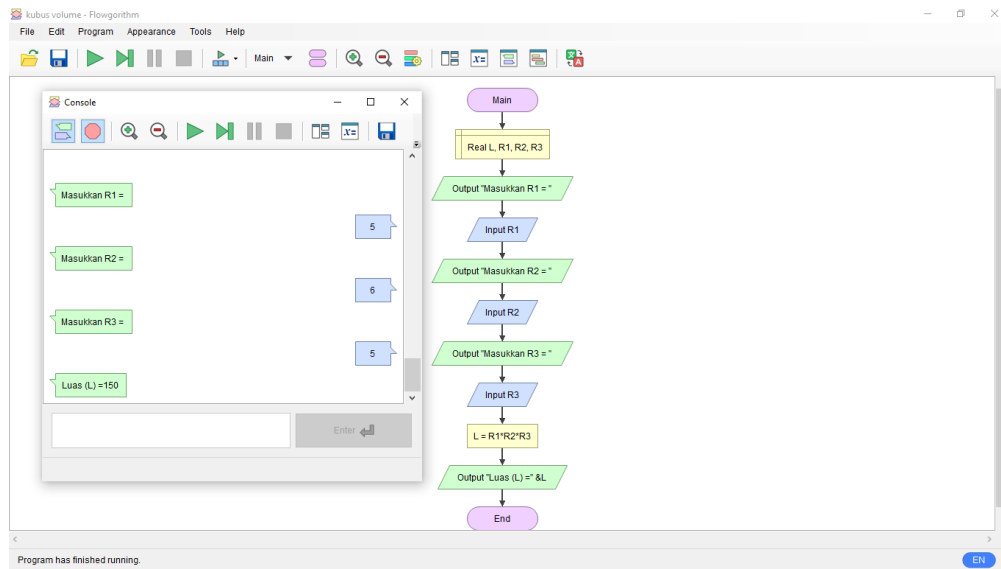
The terminal window shows the output of the script:

```
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 R1 = 4
Masukkan R2 = 4
Luas (L) =96.0
PS C:\AI_PYTHON LANGUAGE>
```

- Rumus Volume (ISI) :



The image shows a Python script in a code editor and its execution in a terminal. The script is a Python program that prompts the user for three numbers (R1, R2, R3), calculates the area (L = R1 * R2 * R3), and prints the result. The terminal output shows the program being run in a PowerShell environment, with the same prompts and inputs as the first image, resulting in the output 'Luas (L) =150.0'.

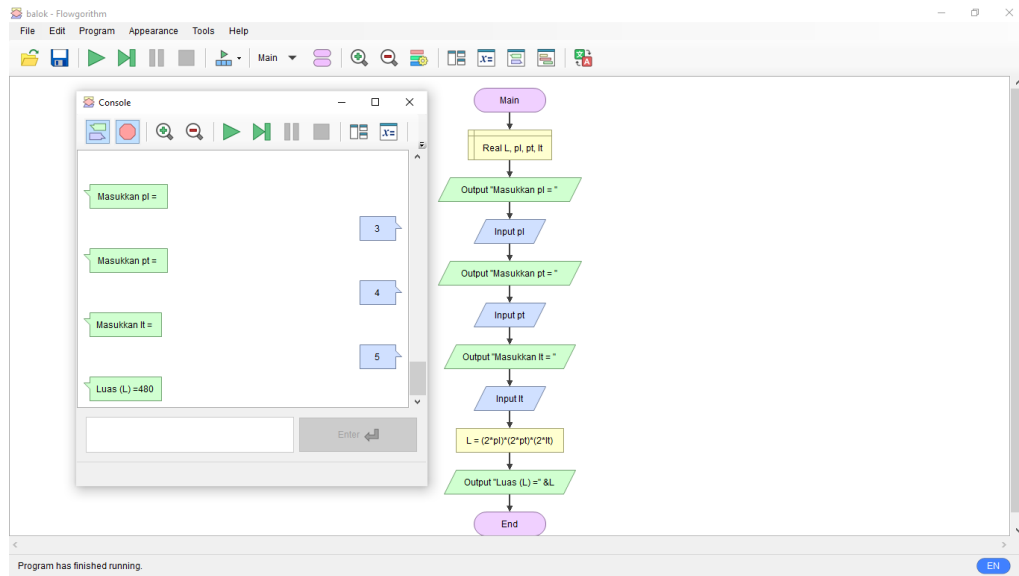
```

1 print("Masukkan R1 = ")
2 r1 = float(input())
3 print("Masukkan R2 = ")
4 r2 = float(input())
5 print("Masukkan R3 = ")
6 r3 = float(input())
7 l = r1 * r2 * r3
8 print("Luas (L) =" + str(l))
9
  
```

```

PS C:\AI_PYTHON_LANGUAGE> & C:/Users/ASUS/AppData/Local/Programs/Python/Python39/python.exe "c:/AI_PYTHON_LANGUAGE/individu3/AN.py"
Masukkan R1 = 5
Masukkan R2 = 6
Masukkan R3 = 5
Luas (L) =150.0
PS C:\AI_PYTHON_LANGUAGE>
  
```

- **BALOK**
- Rumus Luas :



AL PYTHON LANGUAGE - Visual Studio Code

AN.py

```

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

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

Python

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

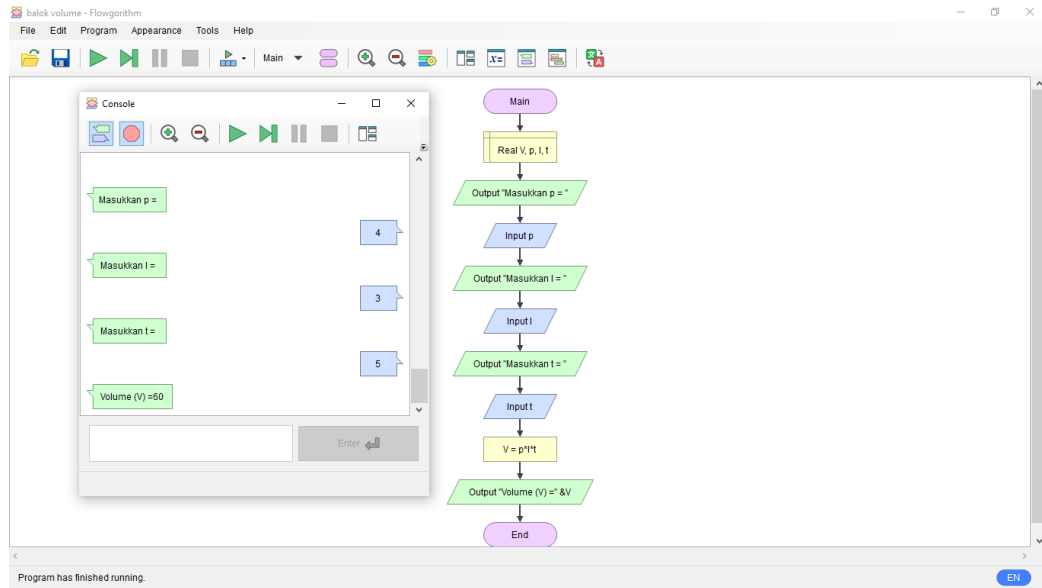
```

PS C:\AI_PYTHON LANGUAGE> & C:/Users/ASUS/AppData/Local/Programs/Python/Python39/python.exe "c:/AI_PYTHON LANGUAGE/individu3/AN.py"
Masukkan pl =
3
Masukkan pt =
4
Masukkan lt =
5
Luas (L) =480.0
PS C:\AI_PYTHON LANGUAGE>
  
```

Python 3.9.2 64-bit

Ln 9, Col 1 Spaces: 4 UTF-8 CRLF Python

- Rumus Volume (ISI) :



The image shows a Python script in Visual Studio Code and its execution in a terminal.

Python Script (AN.py):

```

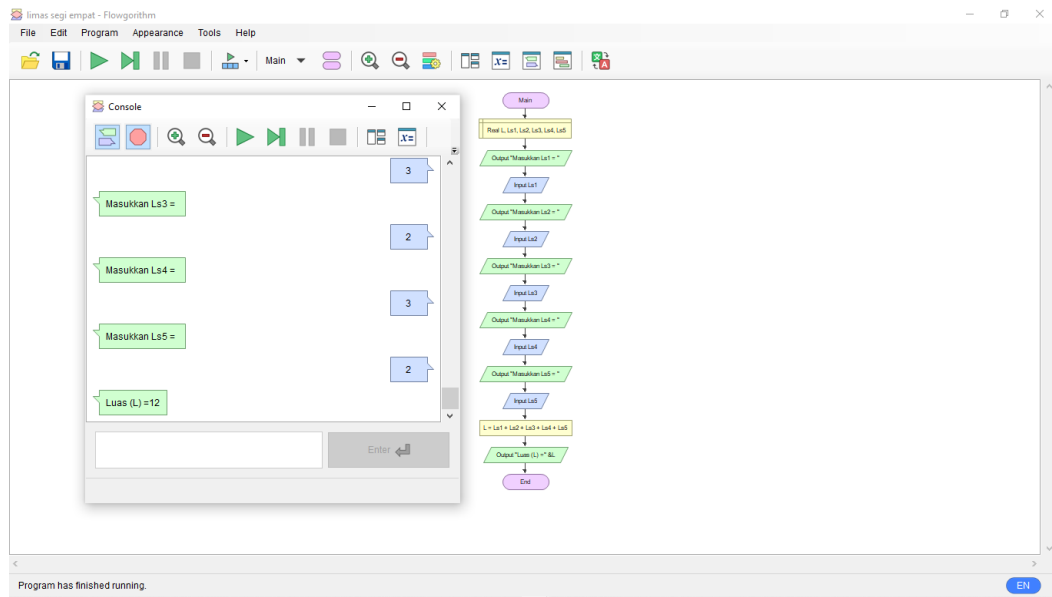
1 print("Masukkan p = ")
2 p = float(input())
3 print("Masukkan l = ")
4 l = float(input())
5 print("Masukkan t = ")
6 t = float(input())
7 v = p * l * t
8 print("Volume (V) =" + str(v))
9
  
```

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 = 4
Masukkan l = 3
Masukkan t = 5
Volume (V) =60.0
PS C:\AI_PYTHON LANGUAGE>
  
```

- **LIMAS SEGIEMPAT**
 - Rumus Luas :



The image shows a Visual Studio Code editor window titled "AN.py - AL PYTHON LANGUAGE - Visual Studio Code". The script in the editor is as follows:

```

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
  
```

The left sidebar shows the Explorer and Outline views. The Outline view lists the following items:

- ls1
- ls2
- ls3
- ls4
- ls5
- l

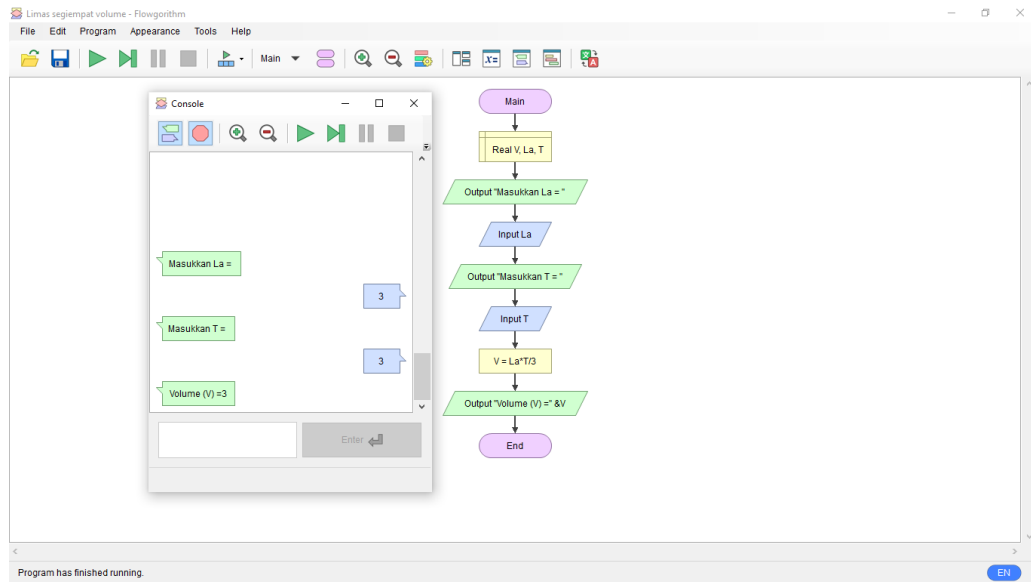
The bottom panel shows the Terminal view with the following output:

```

Masukkan Ls1 =
2
Masukkan Ls2 =
3
Masukkan Ls3 =
2
Masukkan Ls4 =
3
Masukkan Ls5 =
2
Luas (L) =12.0
PS C:\AI PYTHON LANGUAGE>
  
```

The status bar at the bottom indicates "Python 3.9.2 64-bit" and "Ln 13, Col 1".

- Rumus Volume (ISI) :



Visual Studio Code editor showing the Python implementation of the flowchart logic.

```

AN.py
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
  
```

The terminal window shows the execution output:

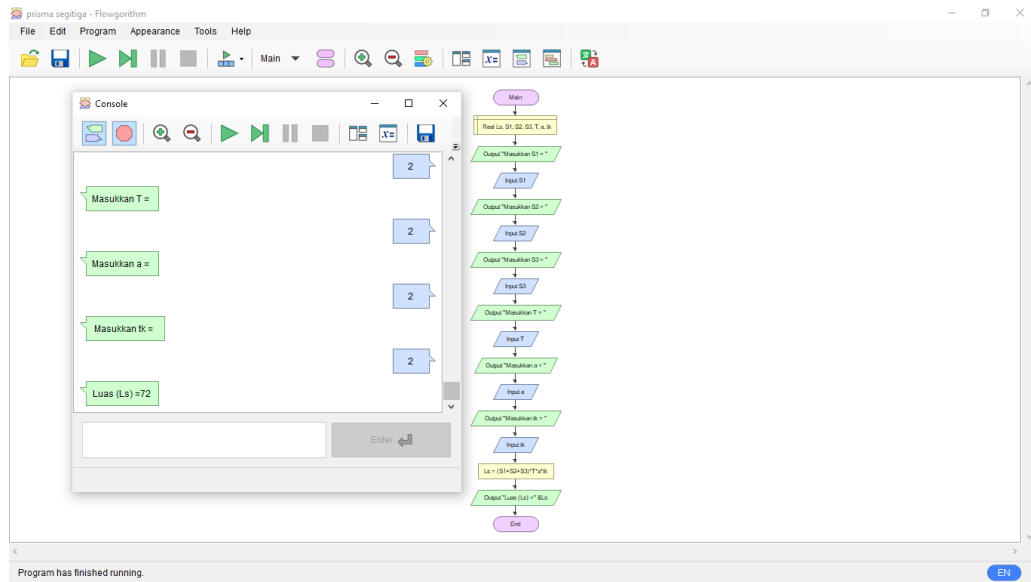
```

Windows PowerShell
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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 = 3
Masukkan T = 3
Volume (V) =3.0
PS C:\AI_PYTHON_LANGUAGE>
  
```

- **PRISMA SEGITIGA**
 - Rumus Luas :



AN.py - ALPYTHON LANGUAGE - Visual Studio Code

File Edit Selection View Go Run Terminal Help

EXPLORER

ALPYTHON LANGUAGE

OUTLINE

- l1 s1
- l1 s2
- l1 s3
- l1 t
- l1 a
- l1 tk
- l1 ls

AN.py > ...

```

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
  
```

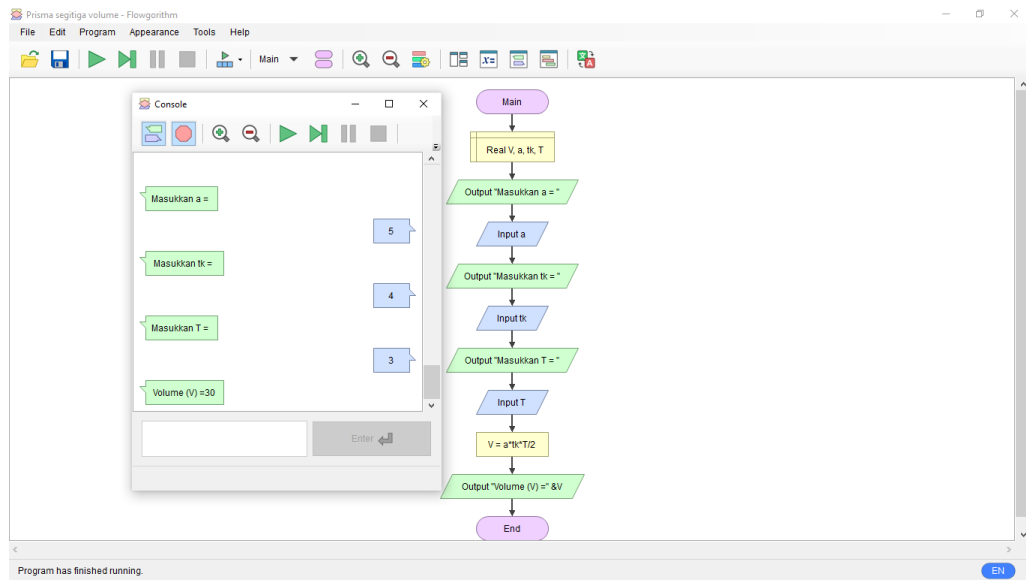
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

Python

Masukkan S2 =
3
Masukkan S3 =
2
Masukkan T =
2
Masukkan a =
2
Masukkan tk =
2
Luas (Ls) =72.0
PS C:\VAL_PYTHON_LANGUAGE>

Python 3.9.2 64-bit 0 0 0 Ln 15, Col 1 Spaces: 4 UTF-8 CRLF Python

- Rumus Volume (ISI) :



The image shows a Python script in Visual Studio Code and its execution in a terminal.

Python Script (AN.py):

```

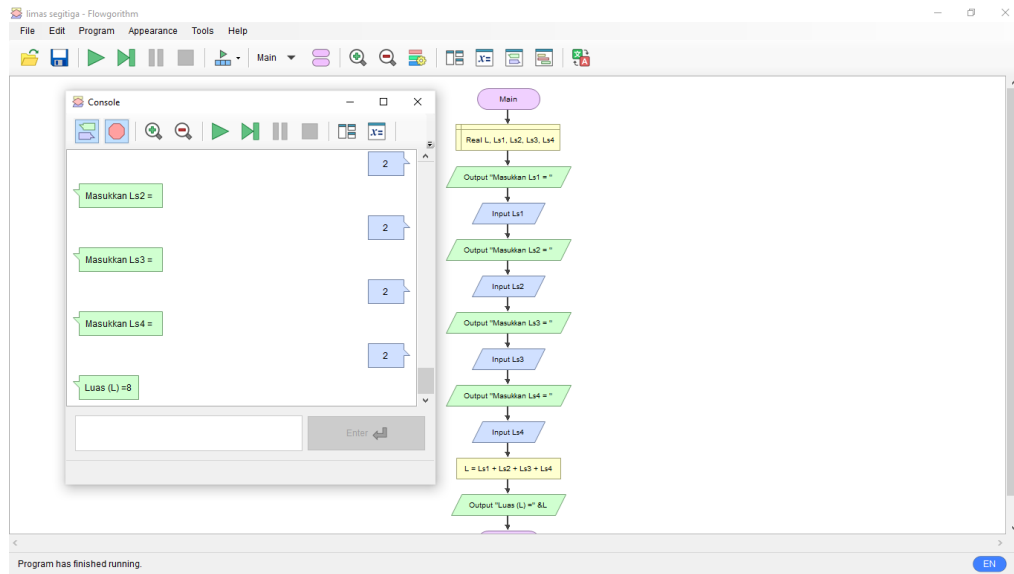
1 print("Masukkan a = ")
2 a = float(input())
3 print("Masukkan tk = ")
4 tk = float(input())
5 print("Masukkan T = ")
6 t = float(input())
7 v = a * tk * t / 2
8 print("Volume (V) =" + str(v))
9
  
```

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 a = 5
Masukkan tk = 4
Masukkan T = 3
Volume (V) =30.0
  
```

- **LIMAS SEGITIGA**
 - Rumus Luas :



The image shows a Python script in a Visual Studio Code editor. The script prompts the user to input four values (Ls1, Ls2, Ls3, Ls4) and calculates the sum of these values, storing it in variable 'l'. It then prints the result as "Luas (L) = 8.0". The terminal window shows the execution of the script, with the same prompts and outputs as the Flowgorithm console.

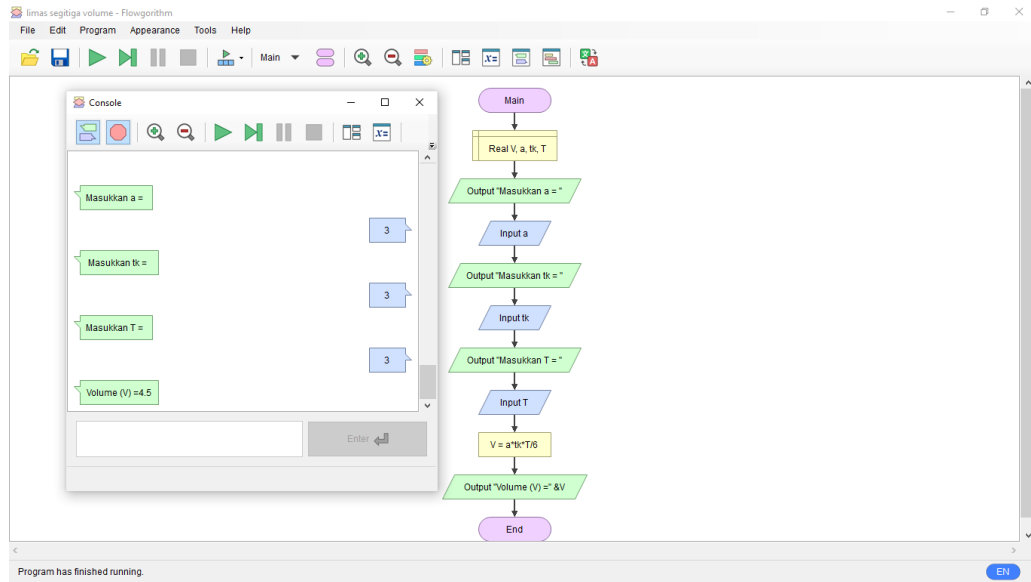
```

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 l = ls1 + ls2 + ls3 + ls4
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 Ls1 =
2
Masukkan Ls2 =
2
Masukkan Ls3 =
2
Masukkan Ls4 =
2
Luas (L) =8.0
PS C:\AI_PYTHON LANGUAGE>
  
```

- Rumus Volume (ISI) :



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

EXPLORER

ALPYTHON LANGUAGE

OUTLINE

- ai a
- ai tk
- ai t
- ai 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 / 6
8 print("Volume (V) =" + str(v))
9
  
```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

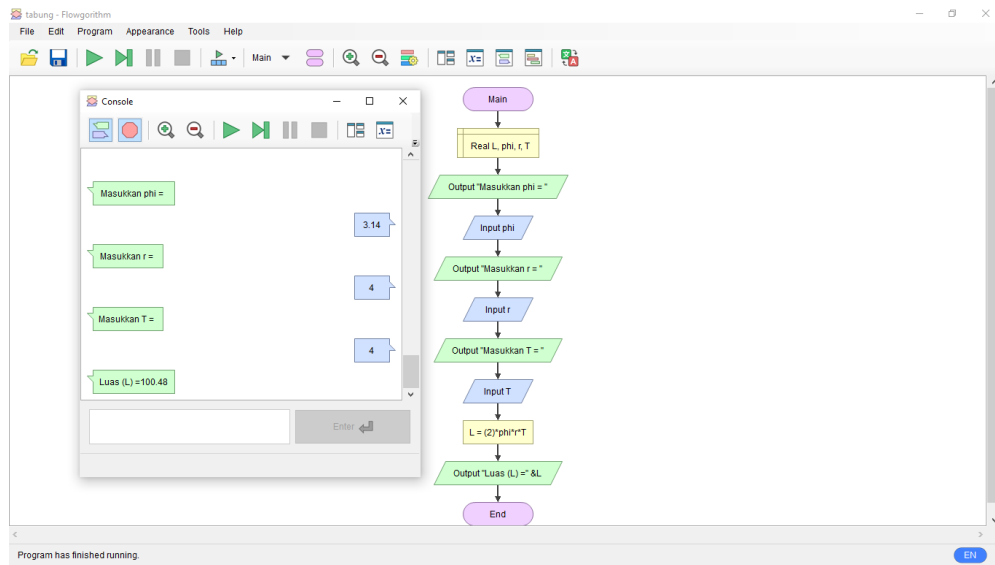
Try the new cross-platform PowerShell <https://aka.ms/pscore6>

```

PS C:\AI_PYTHON LANGUAGE> & c:\Users\ASUS\AppData\Local\Programs\Python\Python39\python.exe "c:\AI_PYTHON LANGUAGE\individu3\AN.py"
Masukkan a =
3
Masukkan tk =
3
Masukkan T =
3
Volume (V) =4.5
PS C:\AI_PYTHON LANGUAGE>
  
```

27°C Berawan 8:21 AM

- **SELINDER (TABUNG)**
 - Rumus Luas :



```

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

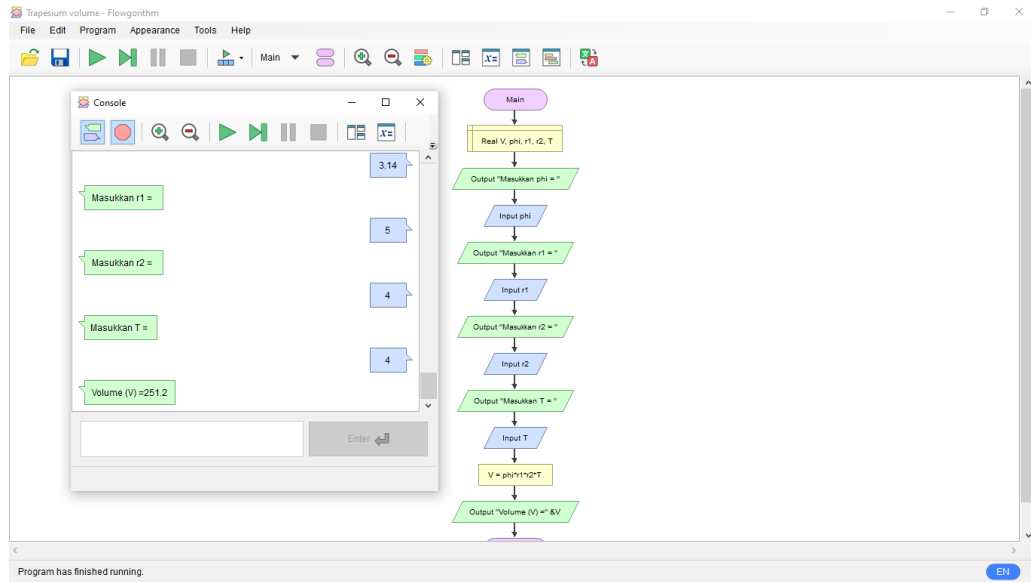
```

```

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 =
4
Masukkan T =
4
Luas (L) =100.48
PS C:\AI_PYTHON LANGUAGE>

```

- Rumus Volume (ISI) :



The image shows a Python script in a Visual Studio Code editor. The script is named 'AN.py' and contains the following code:

```

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

```

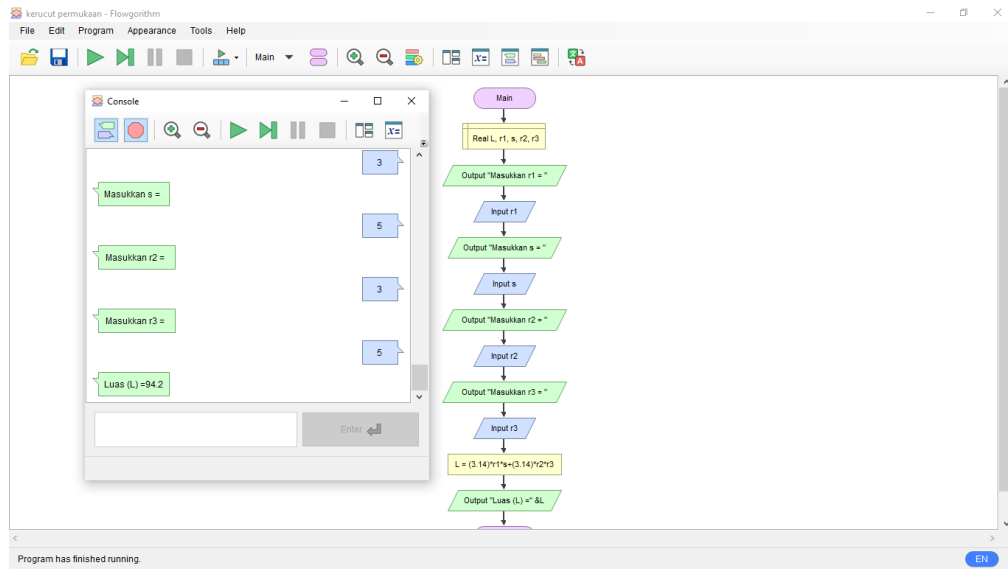
The terminal window shows the execution of the script, with the same inputs and output as the Flowgorithm program:

```

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 = 
5
Masukkan r2 = 
4
Masukkan T = 
4
Volume (V) =251.20000000000002
PS C:\AI_PYTHON LANGUAGE>

```

- **KERUCUT**
 - Rumus Luas :



The image shows a Python script in Visual Studio Code and its terminal output. The script is named 'AN.py' and is located in the 'AI PYTHON LANGUAGE' directory. The script contains the following code:

```

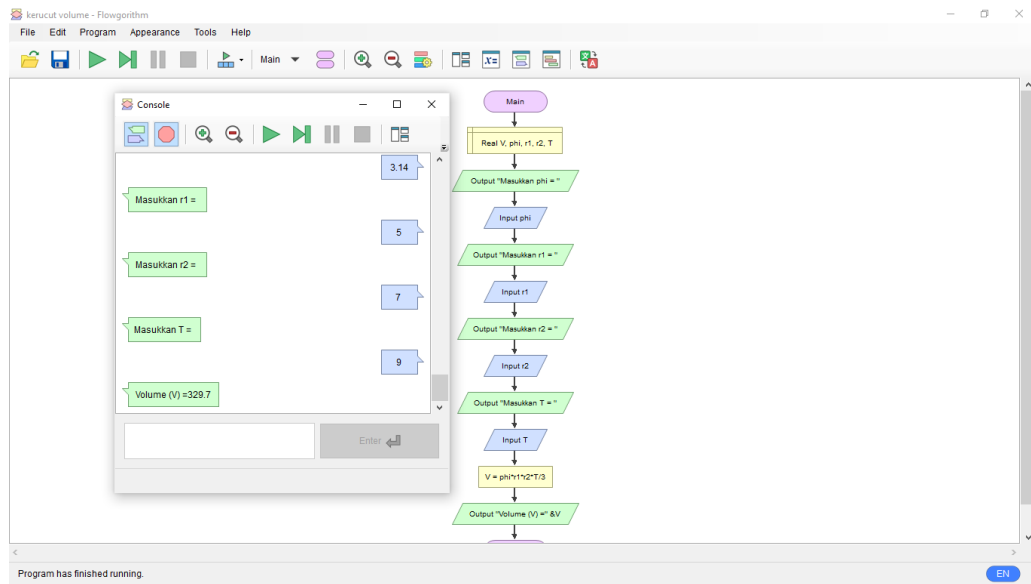
1 print("Masukkan r1 = ")
2 r1 = float(input())
3 print("Masukkan s = ")
4 s = float(input())
5 print("Masukkan r2 = ")
6 r2 = float(input())
7 print("Masukkan r3 = ")
8 r3 = float(input())
9 l = 3.14 * r1 * s + 3.14 * r2 * r3
10 print("Luas (L) =" + str(l))
11
  
```

The terminal output shows the following sequence of inputs and outputs:

```

PS C:\AI PYTHON LANGUAGE> & C:/Users/ASUS/AppData/Local/Programs/Python/Python39/python.exe "c:/AI PYTHON LANGUAGE/individu3/AN.py"
Masukkan r1 = 3
Masukkan s = 5
Masukkan r2 = 3
Masukkan r3 = 5
Luas (L) =94.2
PS C:\AI PYTHON LANGUAGE>
  
```

- Rumus Volume (ISI) :



The image shows a screenshot of a Visual Studio Code editor with a Python script and its execution output.

Python Script (AN.py):

```

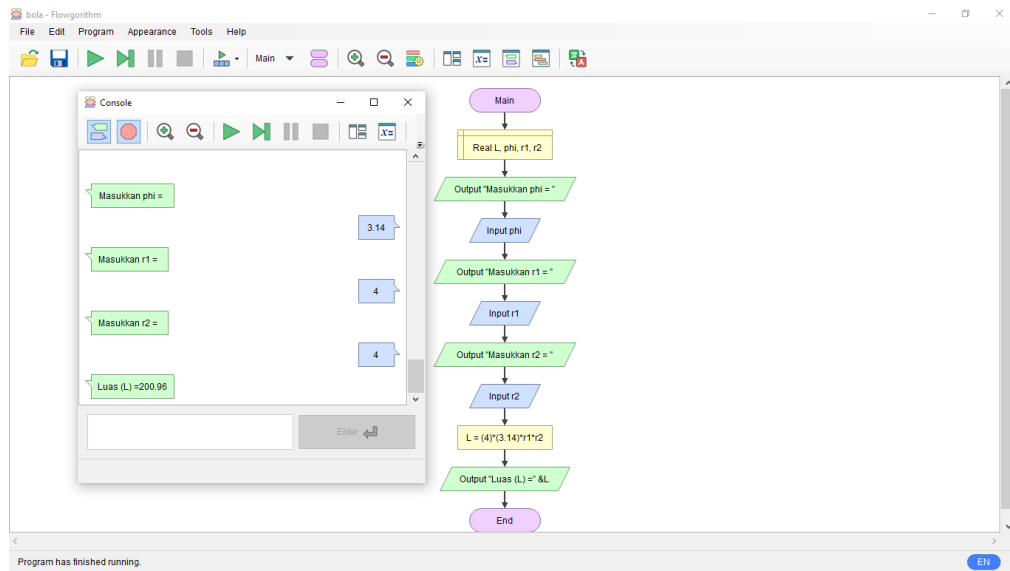
1 print("Masukkan phi = ")
2 phi = float(input())
3 print("Masukkan r1 = ")
4 r1 = float(input())
5 print("Masukkan r2 = ")
6 r2 = float(input())
7 print("Masukkan T = ")
8 t = float(input())
9 v = phi * r1 * r2 * t / 3
10 print("Volume (V) =" + str(v))
11
  
```

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 phi =
3.14
Masukkan r1 =
5
Masukkan r2 =
7
Masukkan T =
9
Volume (V) =329.7
PS C:\AI_PYTHON LANGUAGE>
  
```

- **BOLA**
 - Rumus Luas :



The image shows a Python script in Visual Studio Code and its execution output in the terminal.

Python Script (AN.py):

```

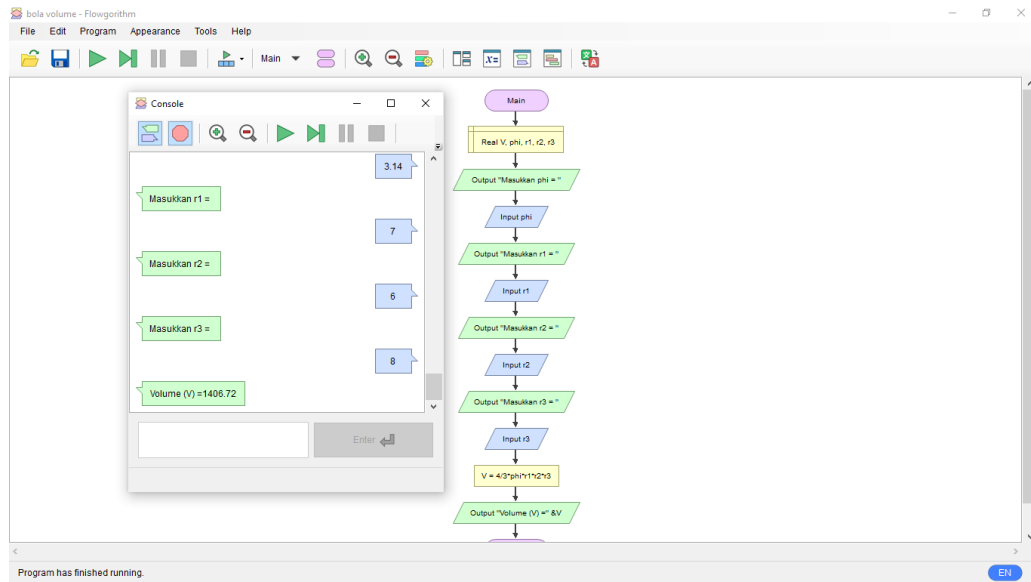
1 print("Masukkan phi = ")
2 phi = float(input())
3 print("Masukkan r1 = ")
4 r1 = float(input())
5 print("Masukkan r2 = ")
6 r2 = float(input())
7 l = 4 * 3.14 * r1 * r2
8 print("Luas (L) =" + str(l))
9
  
```

Terminal Output:

```

PS C:\AI_PYTHON LANGUAGE> & C:\Users\ASUS\AppData\Local\Programs\Python\Python39\python.exe "c:\AI_PYTHON LANGUAGE\individu3\AI.py"
Masukkan phi = 3.14
Masukkan r1 = 4
Masukkan r2 = 4
Luas (L) =200.96
PS C:\AI_PYTHON LANGUAGE>
  
```

- Rumus Volume (ISI) :



AN.py - AL PYTHON LANGUAGE - Visual Studio Code

EXPLORER

AL PYTHON LANGUAGE

OUTLINE

- phi
- r1
- r2
- r3
- v

AN.py

```
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
```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

Python

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 = 7
Masukkan r2 = 6
Masukkan r3 = 8
Volume (V) =1406.7199999999998
PS C:\AI PYTHON LANGUAGE>

Python 3.9.2 64-bit 0 0

Ln 11, Col 1 Spaces: 4 UTF-8 CRLF Python