

Nama : Shakira Azzahra Hadi Putri

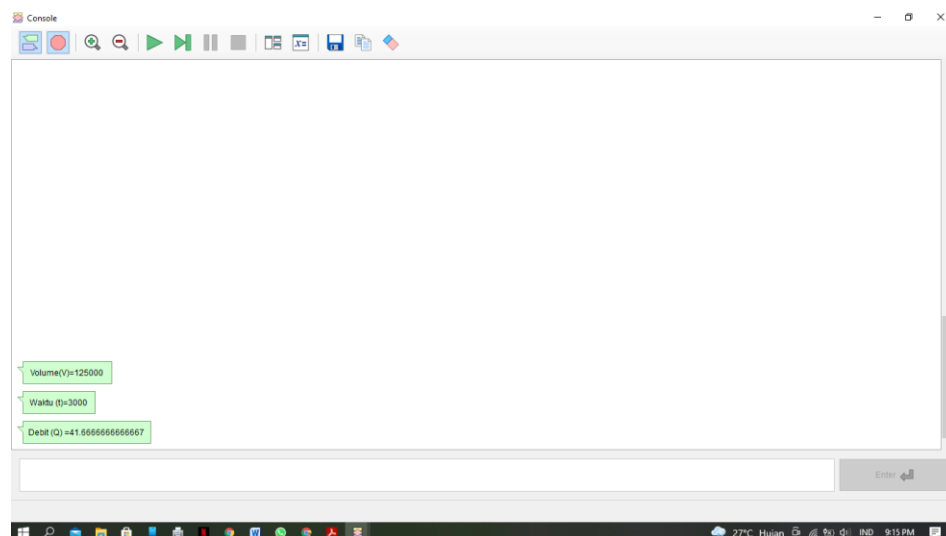
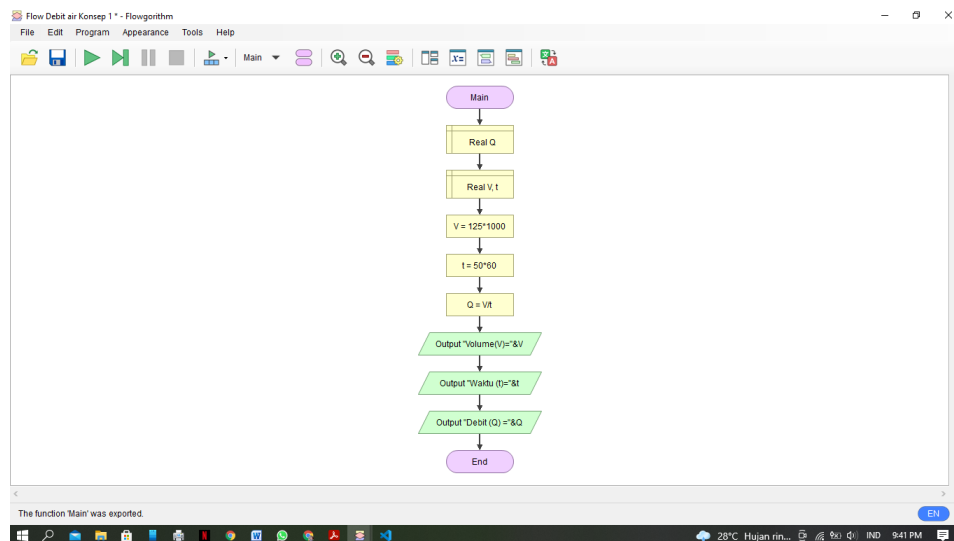
NIM : 20.01.013.041

Kelas : AI-A

TUGAS INDIVIDU 4

1. Di Kampus UTS memiliki pipa yang bisa mengalirkan air sebanyak 125 liter air dalam waktu 50 menit. Berapa cm^3/detik debit anutan pipa air tersebut?

Konsep 1



```
File Edit Selection View Go Run Terminal Help
Debit Air 1.py - Latihan Coding - Visual Studio Code

EXPLORER
  LATIHAN CODING
    .vscode
    Java
    Flowgorithm.java
    Python
      Celcius ke Fahrenheit.py
      Celcius ke Reamur.py
      coba.py
      cobalagi.py
      Debit Air 1.py
      Fahrenheit ke Celcius.py
      Flowgorithm.py
      Jarak rumah Pak Jul.py
      Kecepatan Motor GP Rossi.py
      Menghitung luas persegi pa...
      Reamur ke Celcius.py
      usut.py
      Waktu yang dibutuhkan Pak ...
      Welcome.py

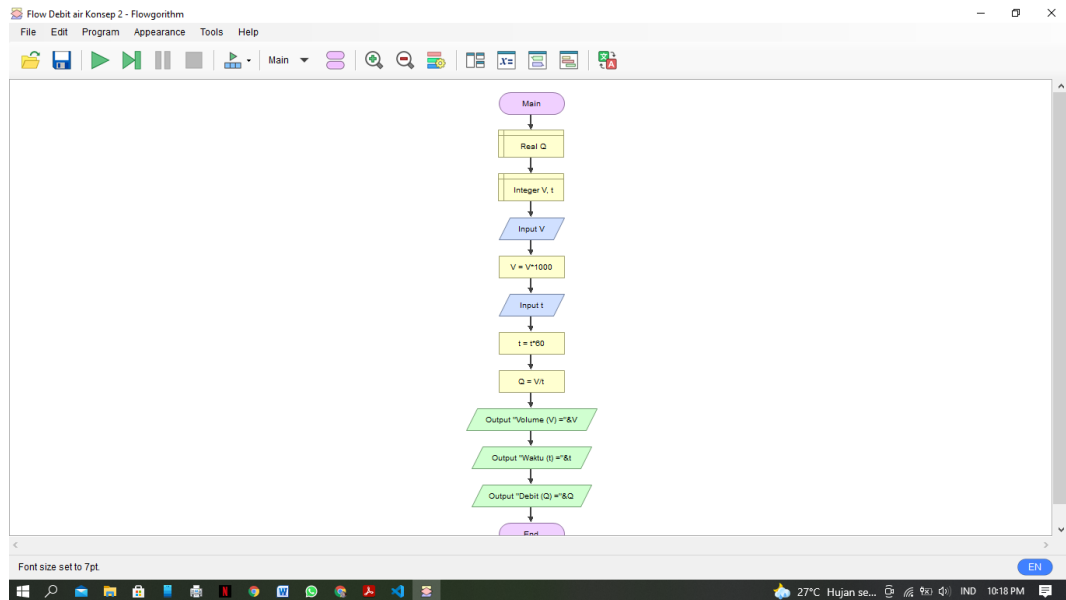
  OUTLINE
  MAINS

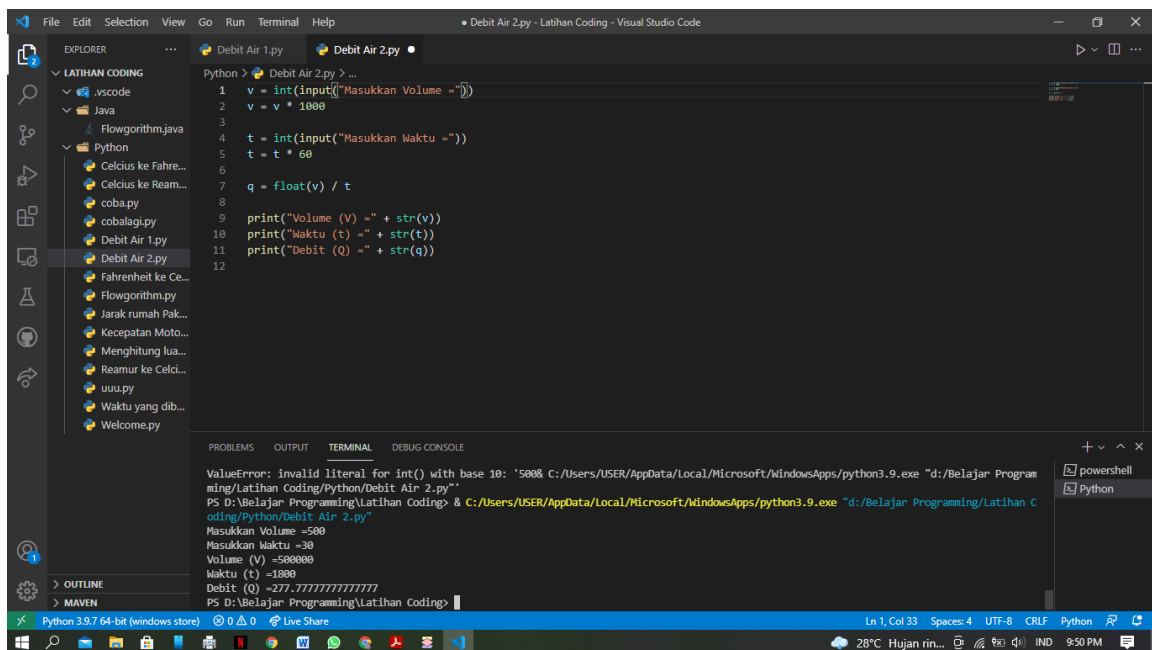
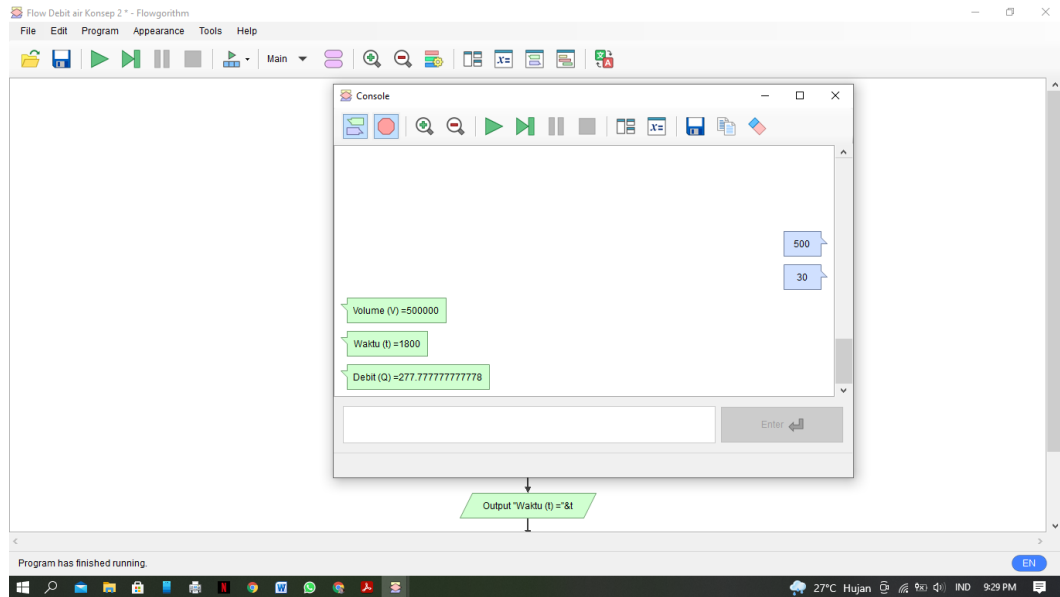
Python 3.9.7 64-bit (windows store) Live Share
Ln & Col 1 Spaces: 4 UTF-8 CRLF Python

Python > Debit Air 1.py
1 v = 125 * 1000
2 t = 50 * 60
3 q = v / t
4
5 print("Volume(V):-" + str(v))
6 print("Waktu (t):-" + str(t))
7 print("Debit (Q) -" + str(q))
8

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
Copyright (C) Microsoft Corporation. All rights reserved.
Try the new cross-platform PowerShell https://aka.ms/pscore6
PS D:\Belajar Programming\Latihan Coding> & C:/Users/USER/AppData/Local/Microsoft/WindowsApps/python3.9.exe "d:/Belajar Programming/Latihan Coding/Python/Debit Air 1.py"
Volume(V)=125000
Waktu (t)=3000
Debit (Q) =41.666666666666664
PS D:\Belajar Programming\Latihan Coding>
```

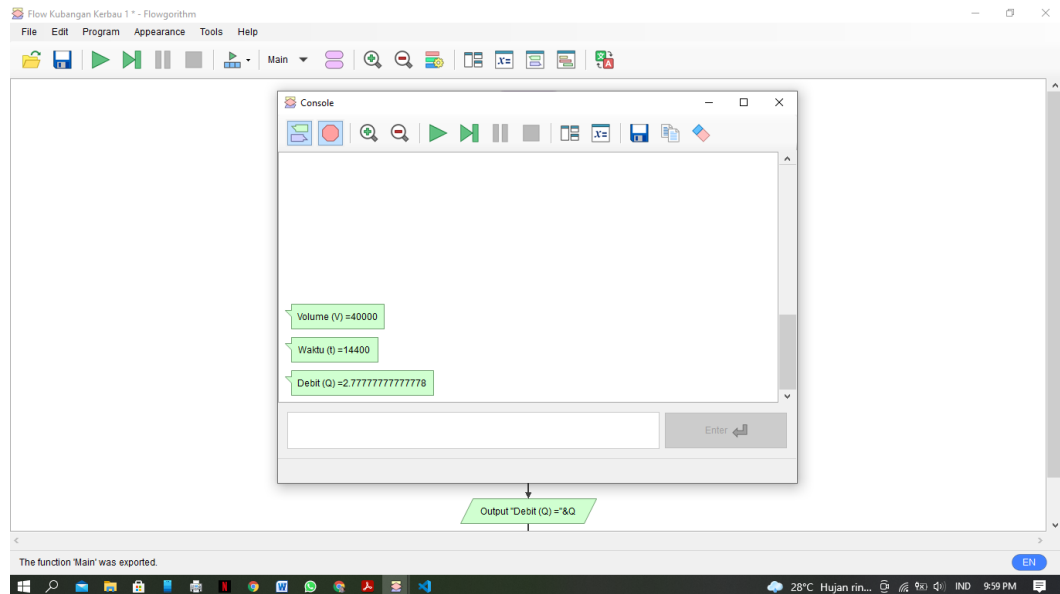
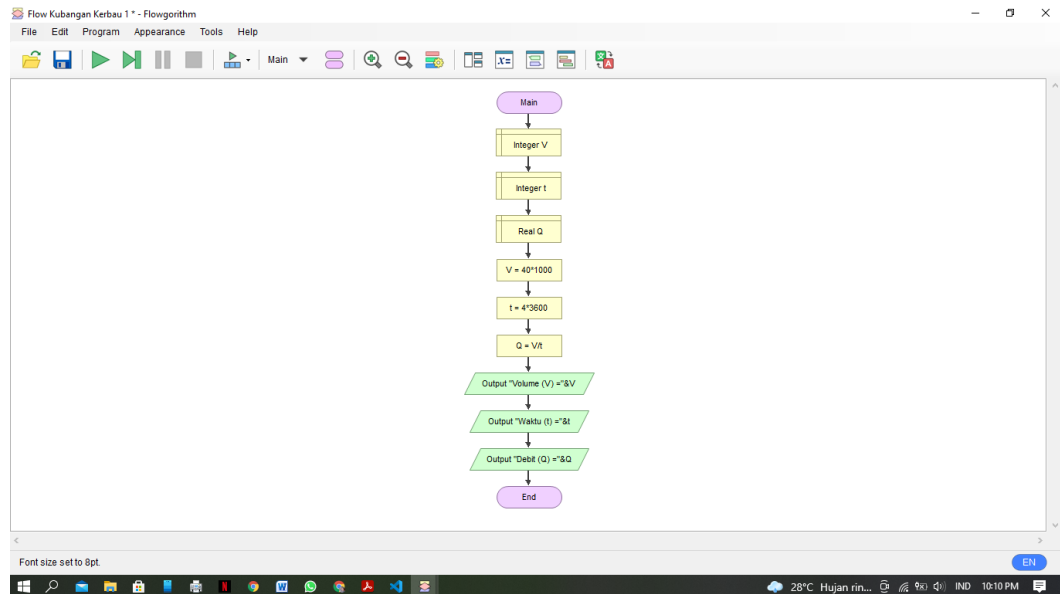
Konsep 2





2. Kubangan Kerbau mempunyai volume 40 m³ diisi dengan air, memakai pipa. Waktu yang diperlukan untuk mengisinya sampai penuh yaitu 4 jam. Berapa liter/detik debit air yang keluar dari pipa tersebut?

Konsep 1



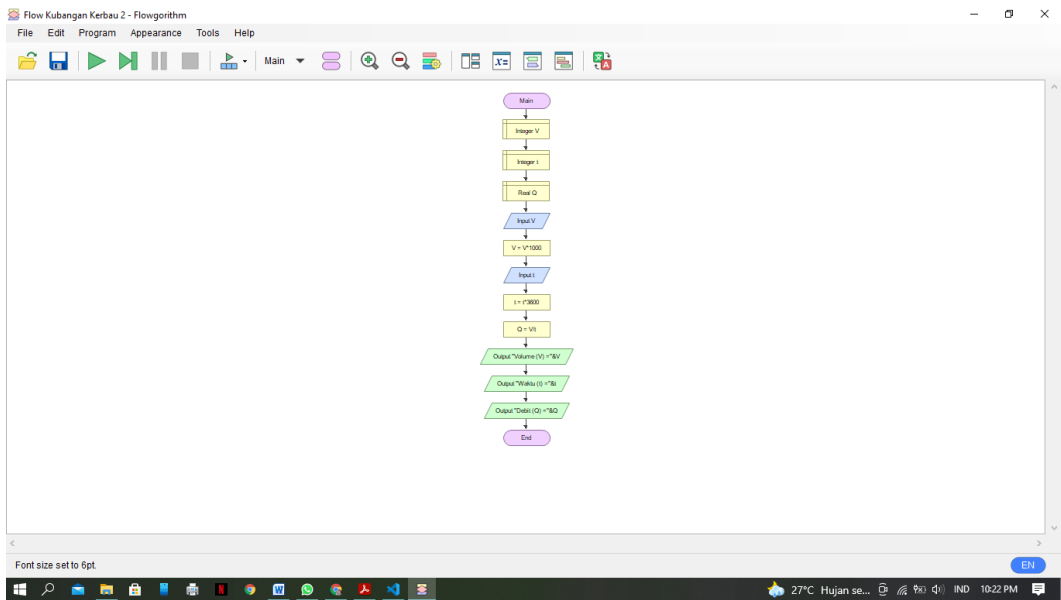
The screenshot shows the Visual Studio Code interface with a Python file named 'Kubangan Kerbau 1.py'. The code calculates the volume of water in a tank based on its height and radius, and then calculates the debit (flow rate) based on the height and radius. The output is displayed in the terminal window.

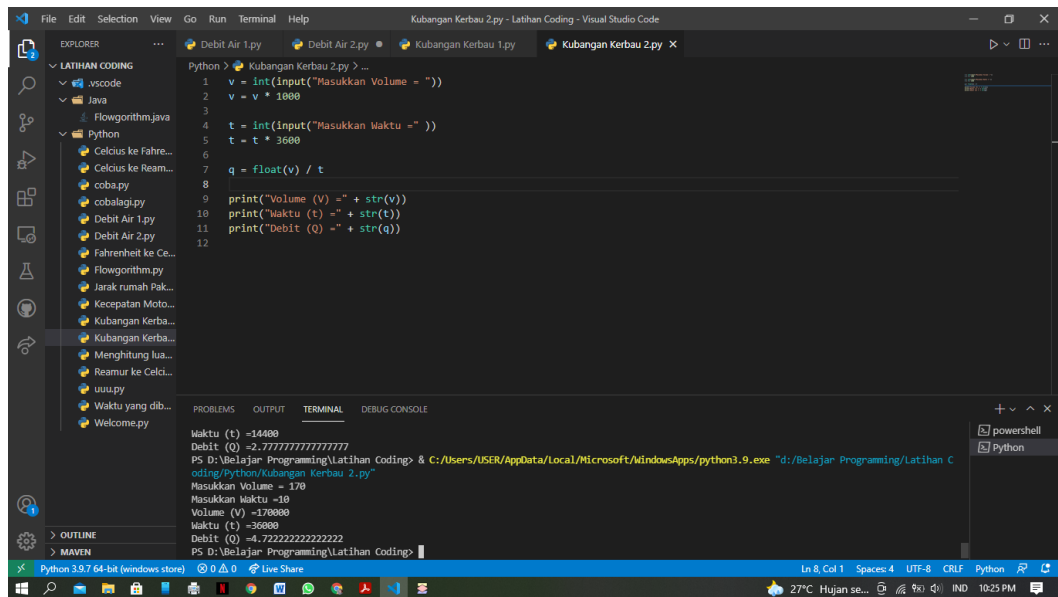
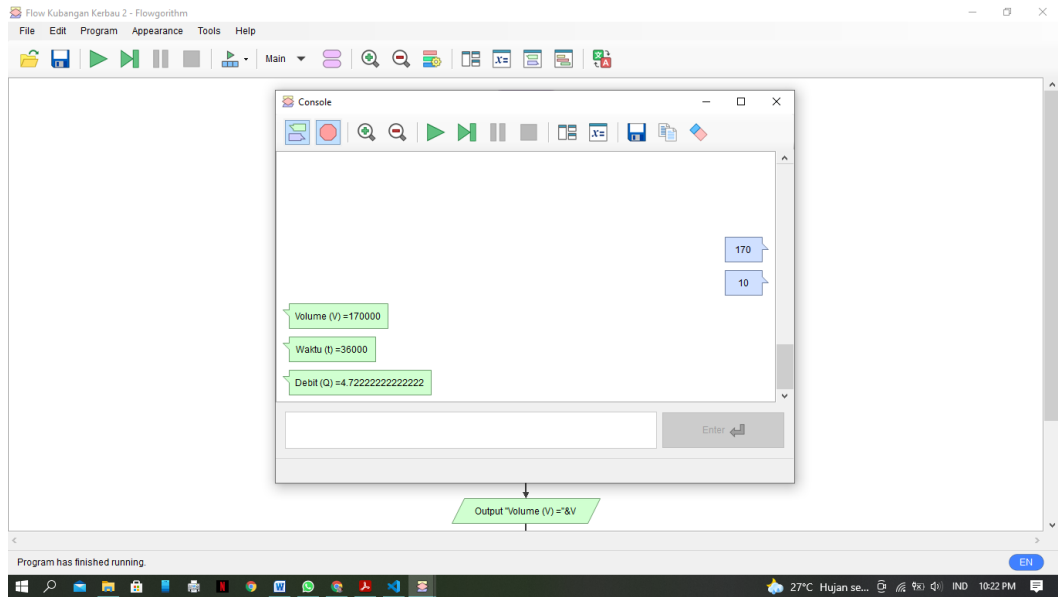
```
Python > Kubangan Kerbau 1.py > ...
1 v = 40 * 1000
2 t = 4 * 3600
3
4 q = float(v) / t
5
6 print("Volume (V) =" + str(v))
7 print("waktu (t) =" + str(t))
8 print("Debit (Q) =" + str(q))
9
```

Terminal Output:

```
oding/Python/Kubangan Kerbau 1.py"
Volume (V) ~40000
Waktu (t) ~14400
Debit (Q) ~2.7777777777777777
PS D:\Belajar Programming\Latihan Coding> & C:/Users/USER/AppData/Local/Microsoft/WindowsApps/python3.9.exe "d:/Belajar Programming/Latihan C
oding/Python/Kubangan Kerbau 1.py"
Volume (V) ~40000
Waktu (t) ~14400
Debit (Q) ~2.7777777777777777
PS D:\Belajar Programming\Latihan Coding>
```

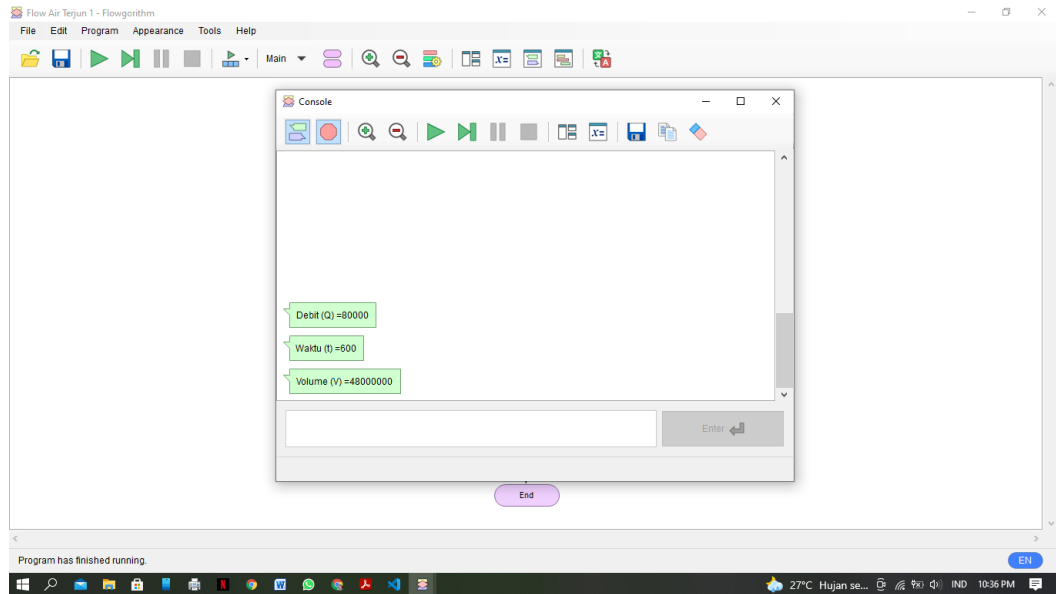
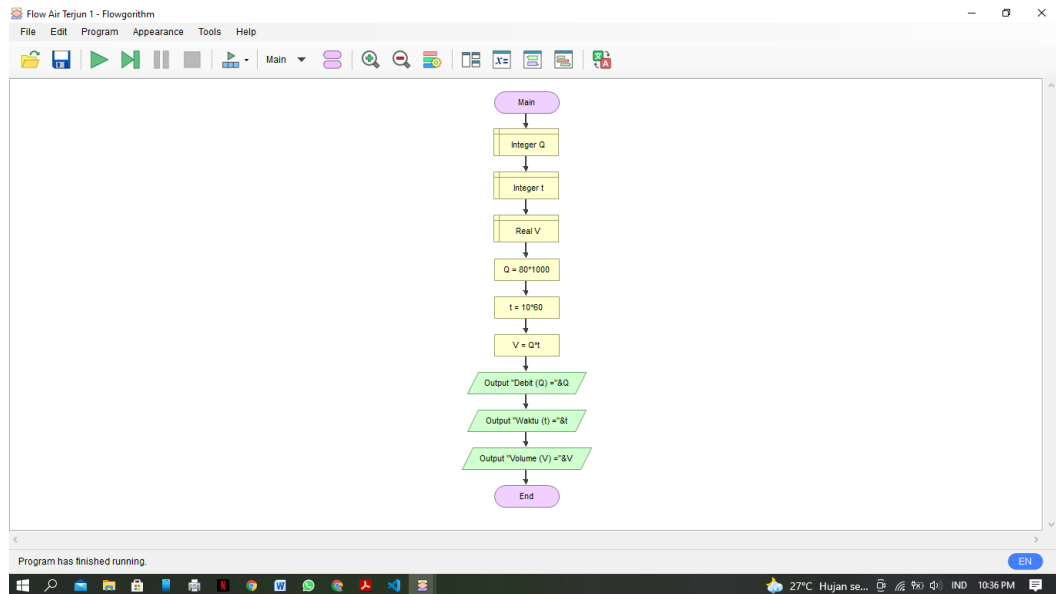
Konsep 2





3. Terdapat sebuah air terjun yang mempunyai debit air sebesar 80 m³/detik. Berapa banyak air yang bisa dipindahkan air terjun tersebut dalam waktu 10 menit?

Konsep 1



The screenshot shows the Visual Studio Code interface with a Python file named 'Air Terjun 1.py'. The code calculates the debit (Q), time (t), and volume (V) for a waterfall. The terminal output shows the results of the calculations.

```
1 q = 80 * 1000
2 t = 10 * 60
3
4 v = q * t
5
6 print("Debit (Q) =" + str(q))
7 print("Waktu (t) =" + str(t))
8 print("Volume (V) =" + str(v))
9
```

Terminal Output:

```
Masukkan waktu =10
Volume (V) =170000
Waktu (t) =36000
Debit (Q) =4.722222222222222
PS D:\Belajar Programming\Latihan Coding> & C:/Users/USER/AppData/Local/Microsoft/WindowsApps/python3.9.exe "d:/Belajar Programming/Latihan Coding/Python/Air Terjun 1.py"
Debit (Q) =80000
Waktu (t) =600
Volume (V) =48000000
PS D:\Belajar Programming\Latihan Coding>
```

Konsep 2

