

Nama : Aditya Fa'athir B.

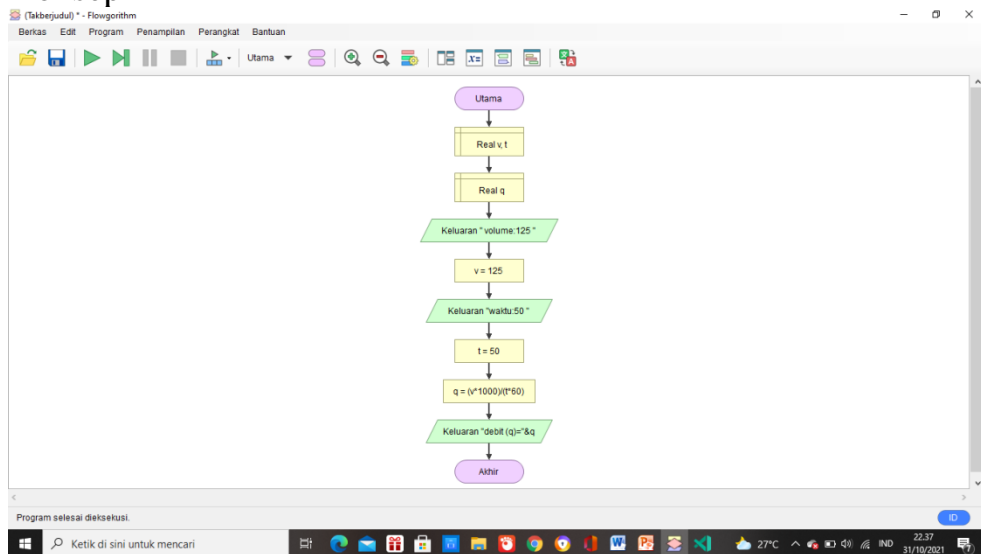
Nim : 20.01.013.035

Kelas : AI B

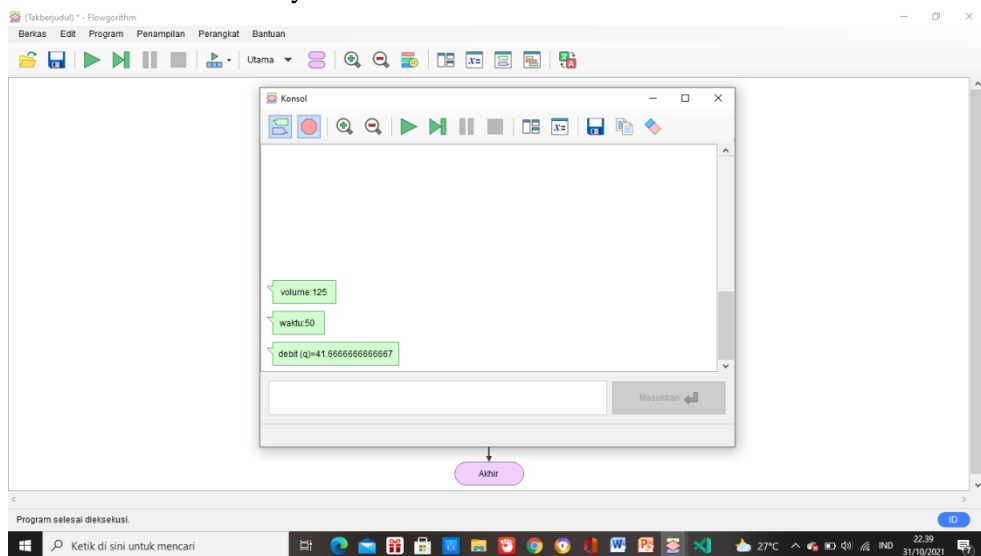
1. Di Kampus UTS memiliki pipa yang bisa mengalirkan air sebanyak 125 liter air dalam waktu 50 menit. Berapa cm³/ detik debit anutan pipa air tersebut?

Jawaban :

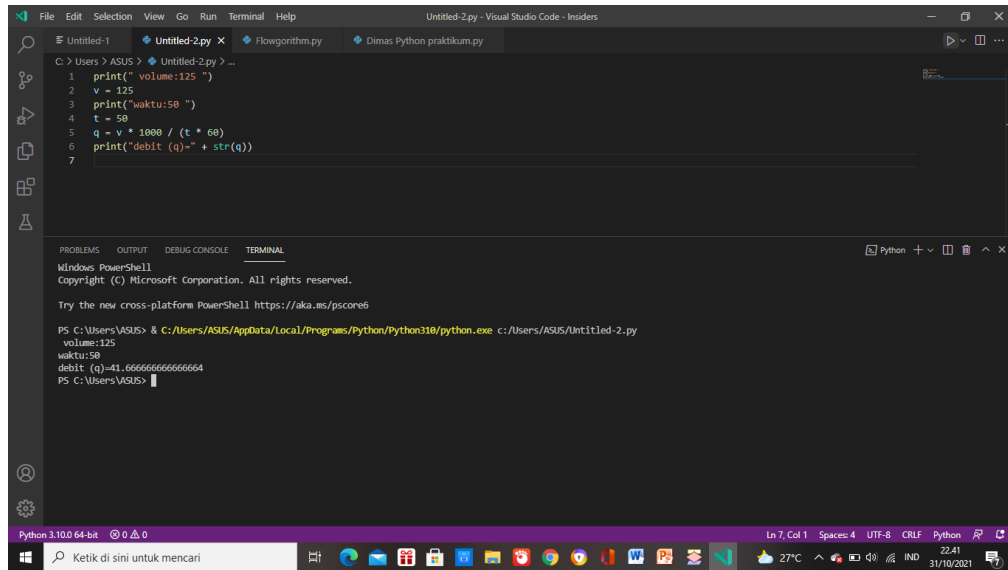
Konsep 1



Inilah hasil dari consulnya



Setelah itu kita bisa konversikan ke python



```
File Edit Selection View Go Run Terminal Help
Untitled-2.py - Visual Studio Code - Insiders

C:\Users\ASUS> .\Untitled-2.py > ...
1 print(" volume:125 ")
2 v = 125
3 print("waktu:50 ")
4 t = 50
5 q = v * 1000 / (t * 60)
6 print("debit (q)="+ str(q))
7
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

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

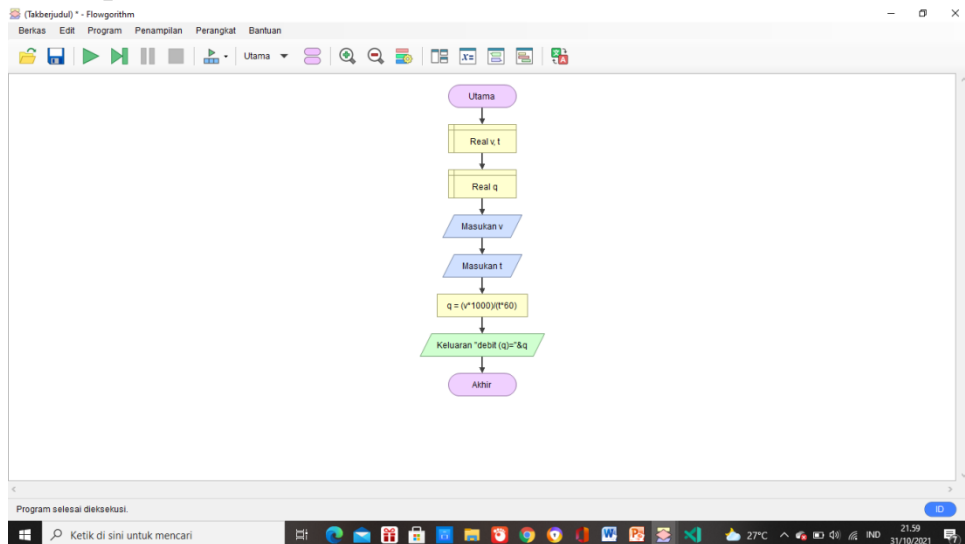
PS C:\Users\ASUS> & C:\Users\ASUS\AppData\Local\Programs\Python\Python310\python.exe c:\Users\ASUS\Untitled-2.py
volume:125
waktu:50
debit (q)=41.666666666666664
PS C:\Users\ASUS>

Python 3.10.0 64-bit 0.0.0

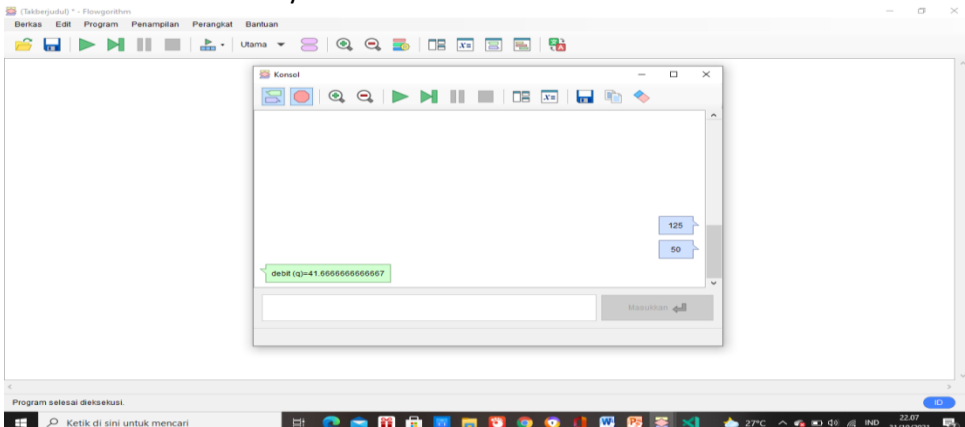
Ketik di sini untuk mencari

Ln 7, Col 1 Spaces 4 UTF-8 CRLF Python 22:41 31/10/2021

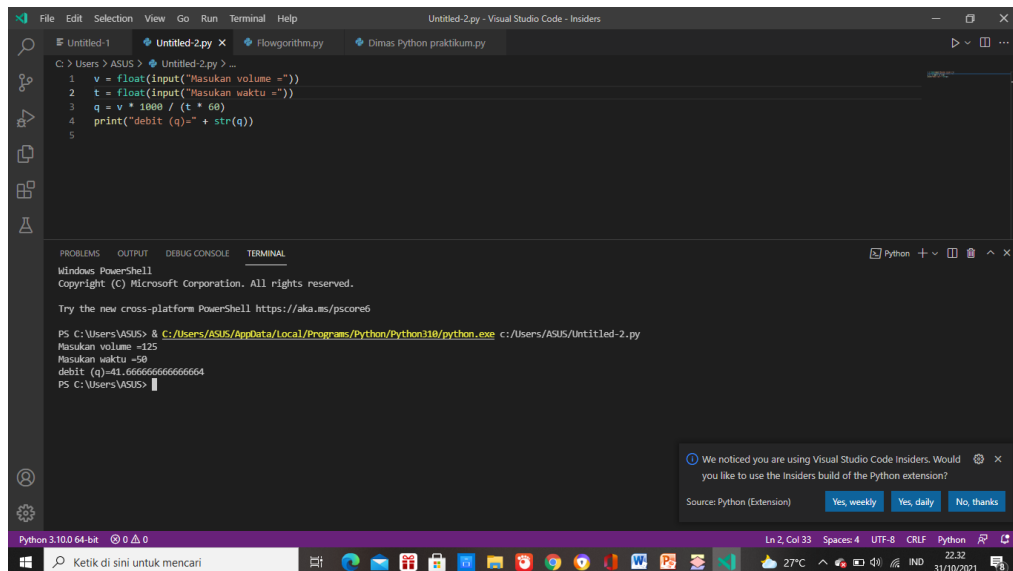
Konsep 2



Ini lah hasil dari consulnya



Setelah itu kita bisa konversikan ke python



```
C:\Users\ASUS> python Untitled-2.py
1 v = float(input("Masukan volume ->"))
2 t = float(input("Masukan waktu ->"))
3 q = v * 1000 / (t * 60)
4 print("debit (q)=-" + str(q))
5
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

Windows PowerShell
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PS C:\Users\ASUS> & C:\Users\ASUS\AppData\Local\Programs\Python\Python310\python.exe c:\Users\ASUS\Untitled-2.py
Masukan volume ->125
Masukan waktu ->50
debit (q)=-41.666666666666664
PS C:\Users\ASUS>

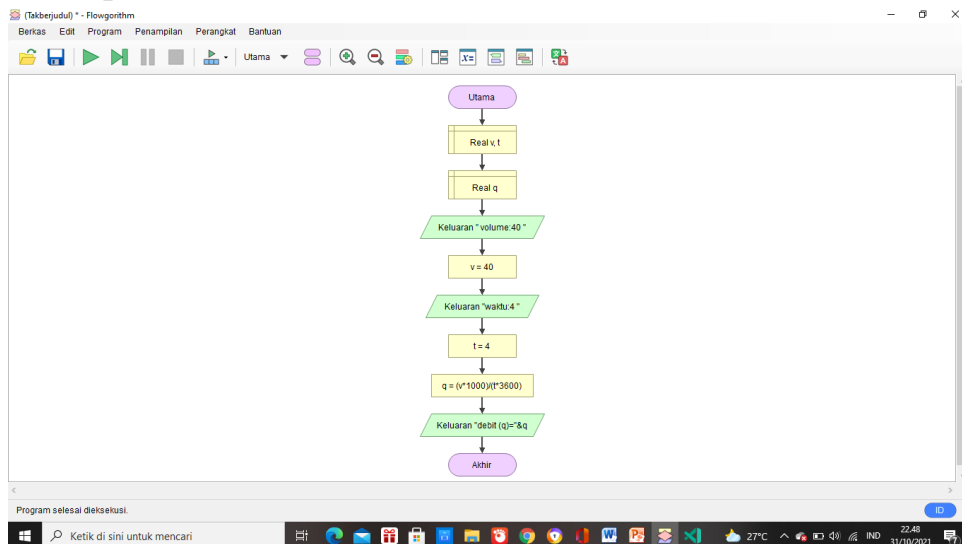
We noticed you are using Visual Studio Code Insiders. Would you like to use the Insiders build of the Python extension?
Source: Python (Extension) Yes, weekly Yes, daily No, thanks

Python 3.10.0 64-bit 0 0 0 Ln 2, Col 33 Spaces: 4 UTF-8 CRLF Python 22:32 31/10/2021

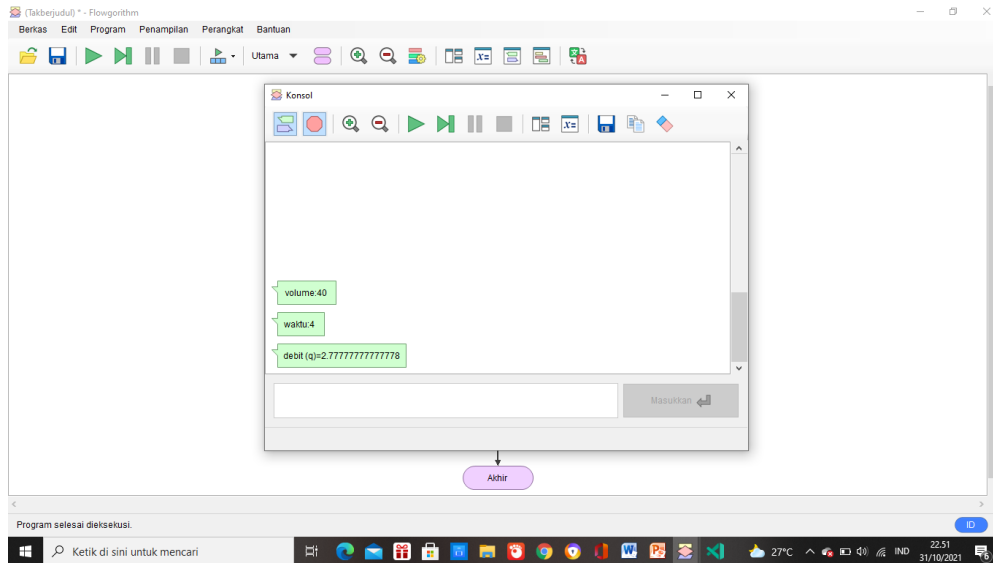
2. Kubangan Kerbau mempunyai volume 40 m3 diisi dengan air, memakai pipa. Waktu yang diperlukan untuk mengisinya sampai penuh yaitu 4 jam. Berapa liter/detik debit air yang keluar dari pipa tersebut?

Jawabannya:

Konsep 1



Inilah hasil dari consulnya



Setelah itu kita bisa konversikan ke python

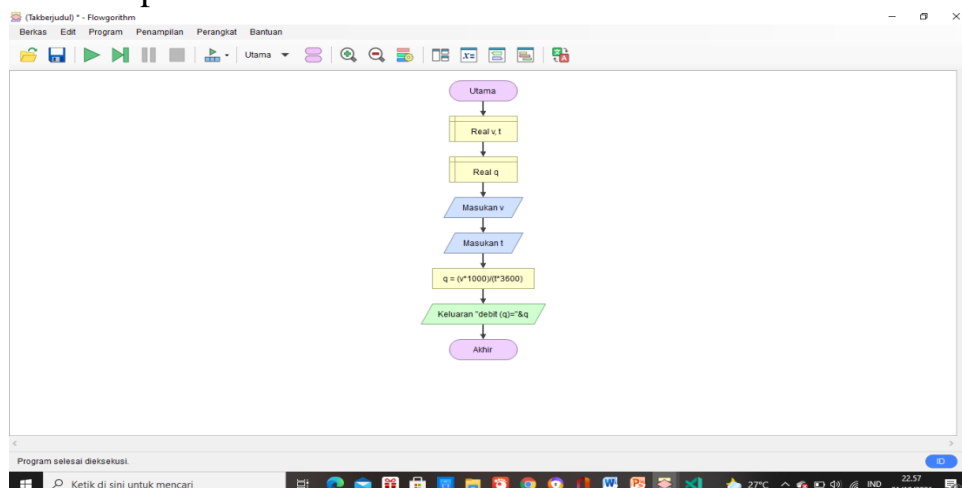
The screenshot shows a Visual Studio Code editor window titled "Untitled-2.py - Visual Studio Code - Insiders". The editor has a menu bar (File, Edit, Selection, View, Go, Run, Terminal, Help) and a toolbar. The main workspace contains a Python script with the following code:

```
1 print(" volume:40 ")
2 v = 40
3 print("waktu:4 ")
4 t = 4
5 q = v * 1000 / (t * 3600)
6 print("debit (q)="+ str(q))
7
8
```

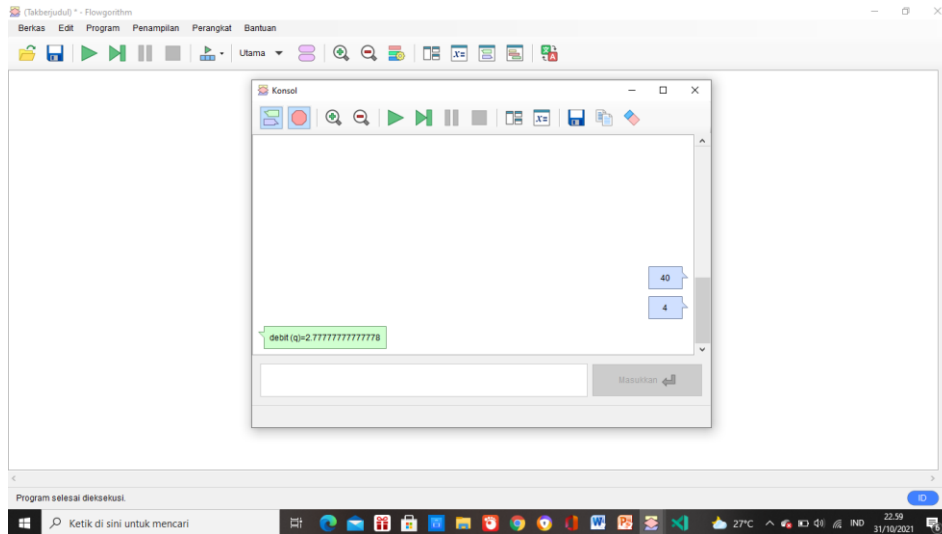
 The terminal window at the bottom shows the output of the script:

```
PS C:\Users\ASUS> & C:\Users\ASUS\AppData\Local\Programs\Python\Python310\python.exe c:\Users\ASUS\Untitled-2.py
volume:40
waktu:4
debit (q)=2.7777777777777778
PS C:\Users\ASUS>
```

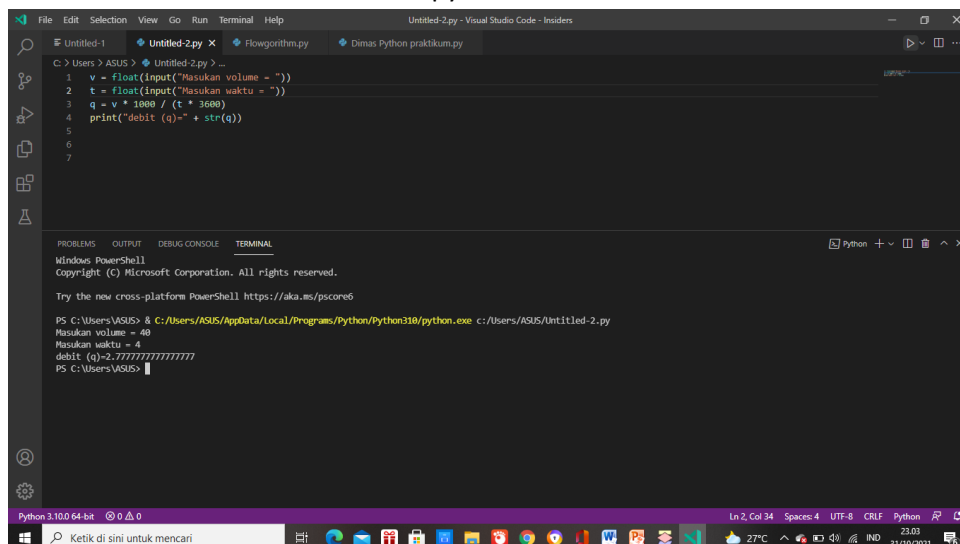
Konsep 2



Inilah hasil dari consulnya



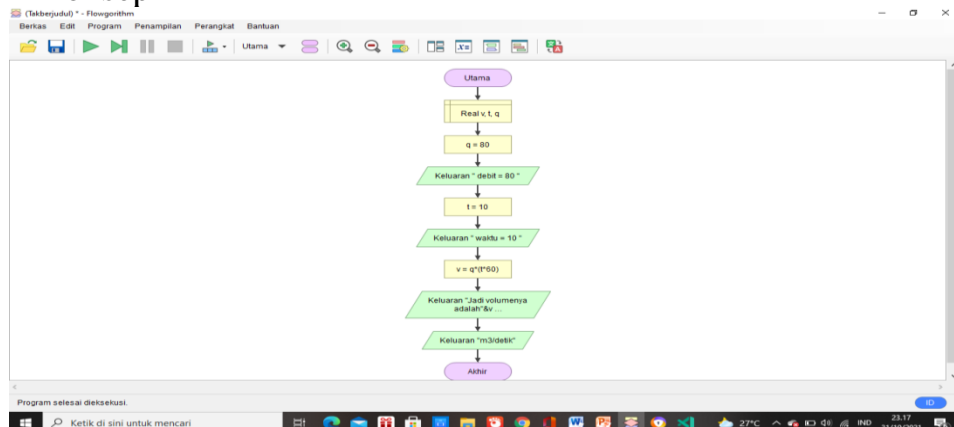
Setelah itu kita bisa konversikan ke python



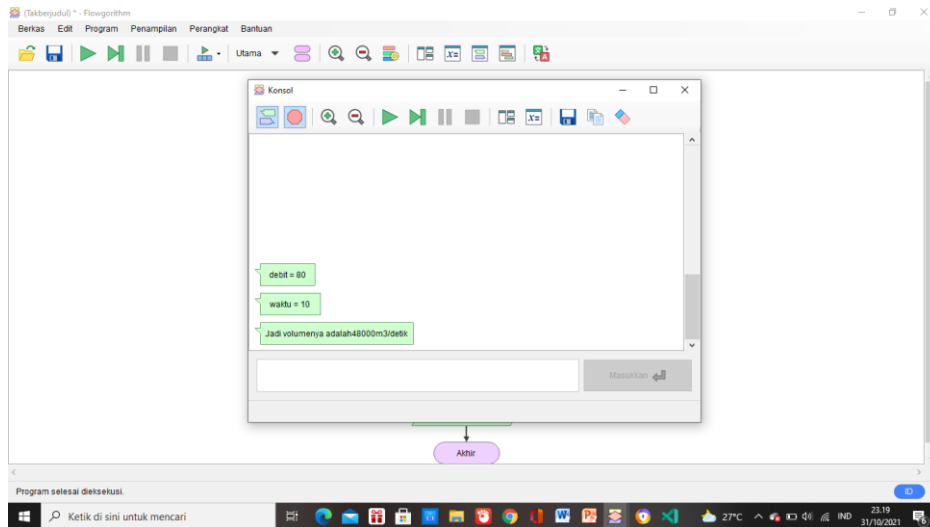
3. Terdapat sebuah air terjun yang mempunyai debit air sebesar 80 m³/detik. Berapa banyak air yang bisa dipindahkan air terjun tersebut dalam waktu 10 menit ?

Jawabannya :

Konsep 1



Inilah hasil dari consulnya



Setelah itu kita bisa konversikan ke python

The screenshot shows the Visual Studio Code editor with a Python file named "Untitled-2.py". The code in the file is as follows:

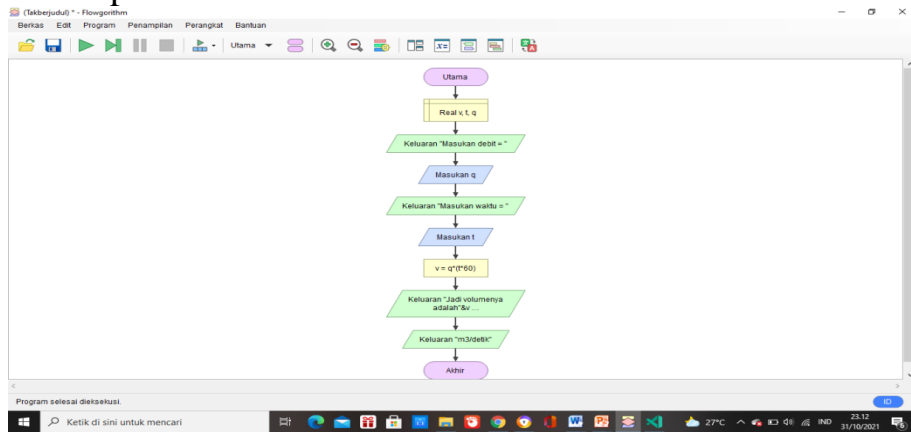
```
1 q = 80
2 print(" debit = 80 ")
3 t = 10
4 print(" waktu = 10 ")
5 v = q * (t * 60)
6 print("Jadi volumenya adalah" + str(v), end='', flush=True)
7 print("m3/detik")
8
```

Below the code editor, the "TERMINAL" panel shows the execution of the script using PowerShell. The output matches the flowchart's result:

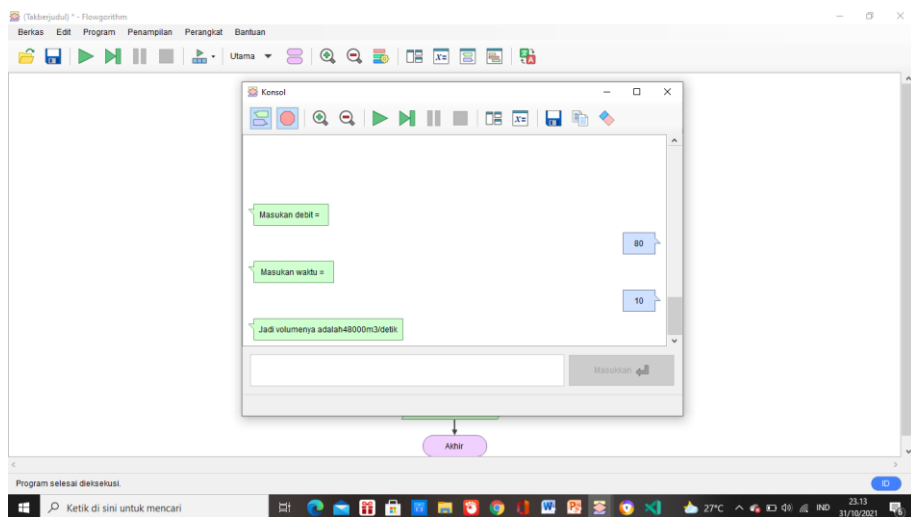
```
PS C:\Users\ASUS> & C:/Users/ASUS/AppData/Local/Programs/Python/Python310/python.exe c:/Users/ASUS/Untitled-2.py
debit = 80
waktu = 10
Jadi volumenya adalah48000m3/detik
PS C:\Users\ASUS>
```

The status bar at the bottom indicates the file is encoded in UTF-8 with 4 spaces and is using the Python interpreter.

Konsep 2



Ini adalah hasil dari konsolnya



Setelah itu kita bisa konversikan ke python

```
File Edit Selection View Go Run Terminal Help
Untitled-2.py x Flowgorithm.py Dimas Python praktikum.py

C:\Users\ASUS> python Untitled-2.py
1 print("Masukan debit = ")
2 q = float(input())
3 print("Masukan waktu = ")
4 t = float(input())
5 v = q * (t * 60)
6 print("Jadi volumenya adalah" + str(v), end='', flush=True)
7 print("m3/detik")
8

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\ASUS> & C:/Users/ASUS/AppData/Local/Programs/Python/Python310/python.exe c:/Users/ASUS/Untitled-2.py
Masukan debit =
80
Masukan waktu =
10
Jadi volumenya adalah48000.0m3/detik
PS C:\Users\ASUS>
```