

Nama : Andini Wulandari

NIM : 20.001.013.020

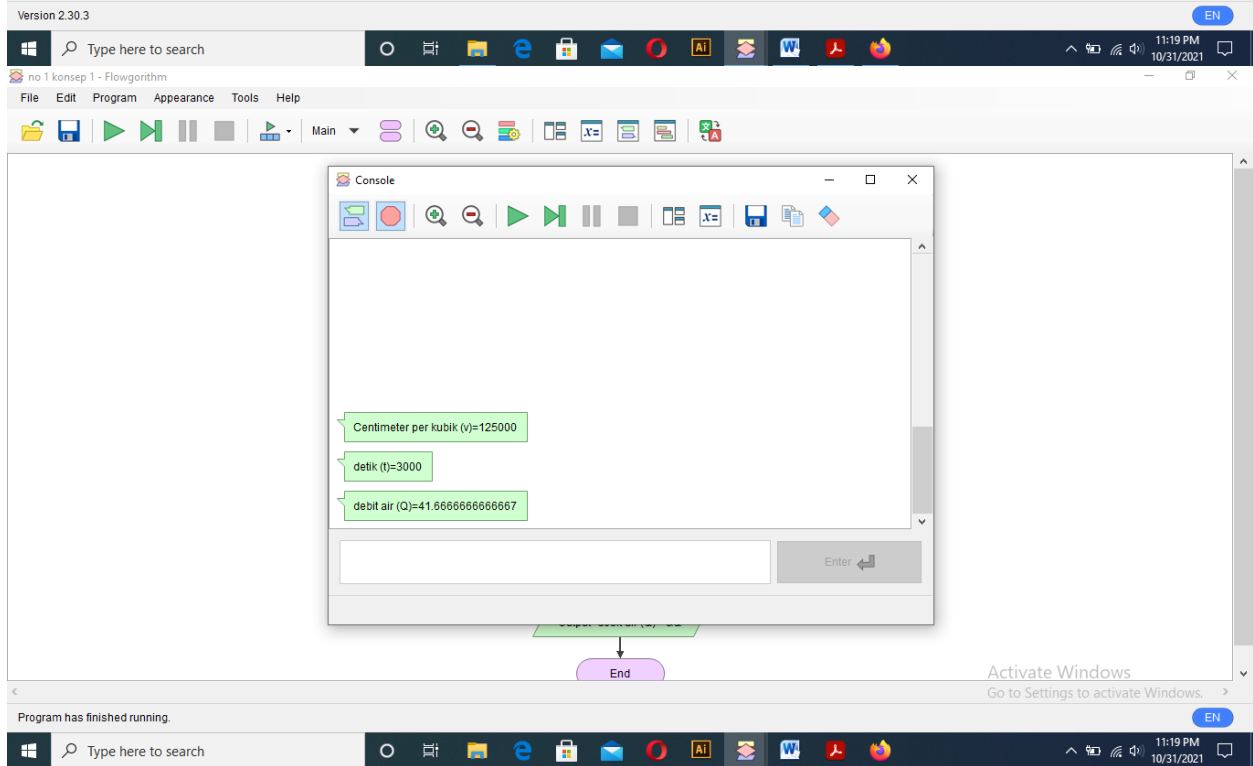
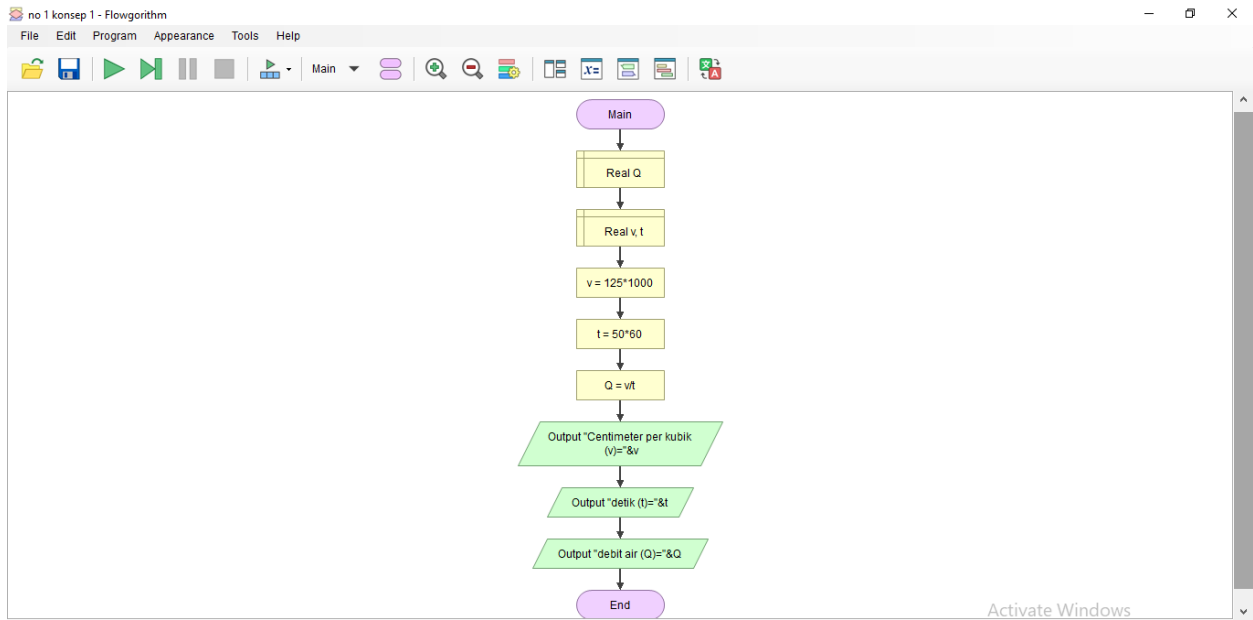
Kelas : Kecerdasan Buatan B

QUIZ INDIVIDU IV

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?

Jawab :

Konsep 1



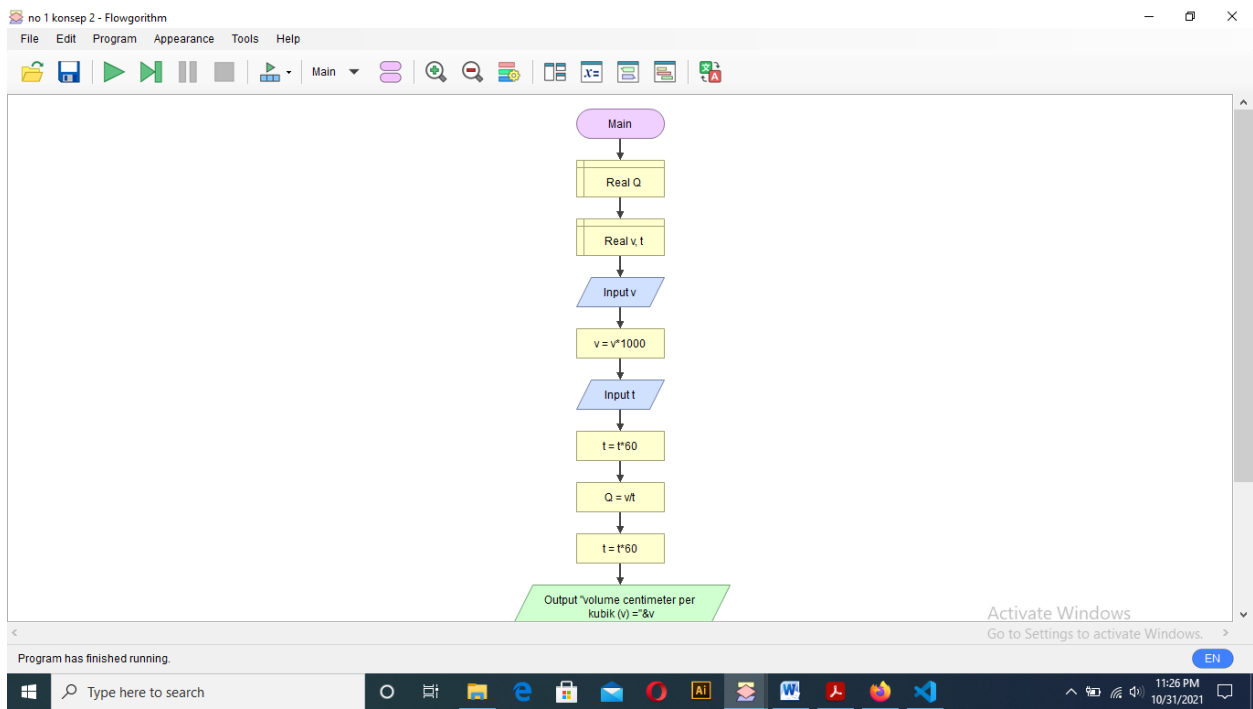
The screenshot shows the Visual Studio Code interface. The Explorer pane on the left displays a file named `v = int(input0).py`. The main editor area shows the following Python code:

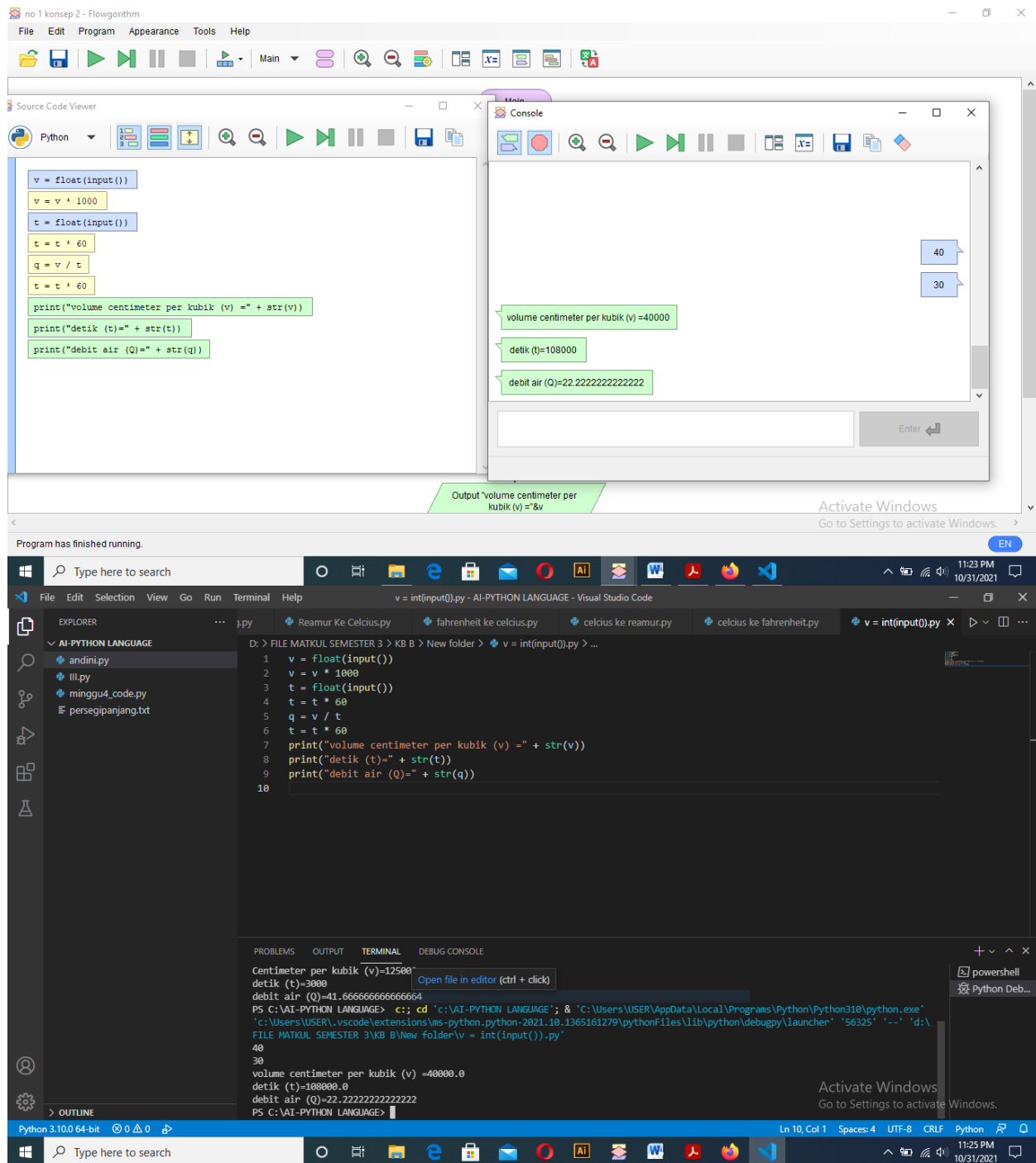
```
1 v = 125 * 1000
2 t = 50 * 60
3 q = v / t
4 print("Centimeter per kubik (v)=" + str(v))
5 print("detik (t)=" + str(t))
6 print("debit air (Q)=" + str(q))
7
```

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

```
PS C:\VAI-PYTHON LANGUAGE> & 'C:\Users\USER\AppData\Local\Programs\Python\Python310\python.exe' 'c:\Users\USER\.vscode\extension\s\ms-python.python-2021.10.1365161279\pythonFiles\lib\python\debugpy\launcher' '56281' '--' 'd:\FILE MATKUL SEMESTER 3\KB B\New folder\v = int(input0).py'
Centimeter per kubik (v)=125000
detik (t)=3000
debit air (Q)=41.666666666666664
PS C:\VAI-PYTHON LANGUAGE>
```

Konsep 2

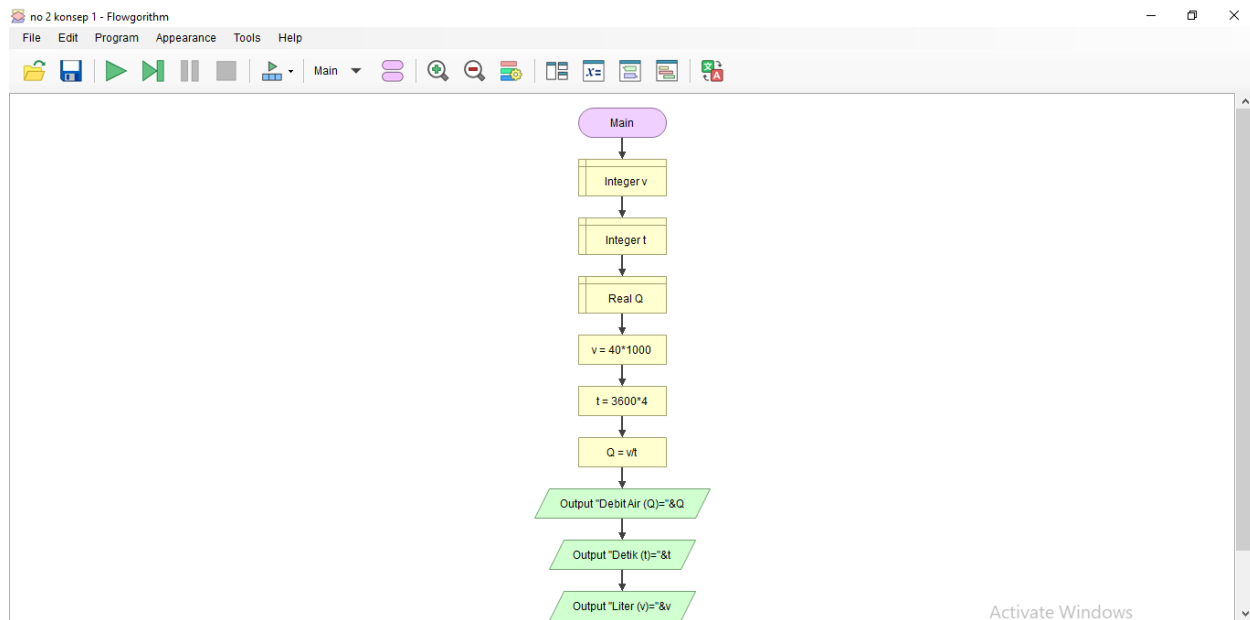




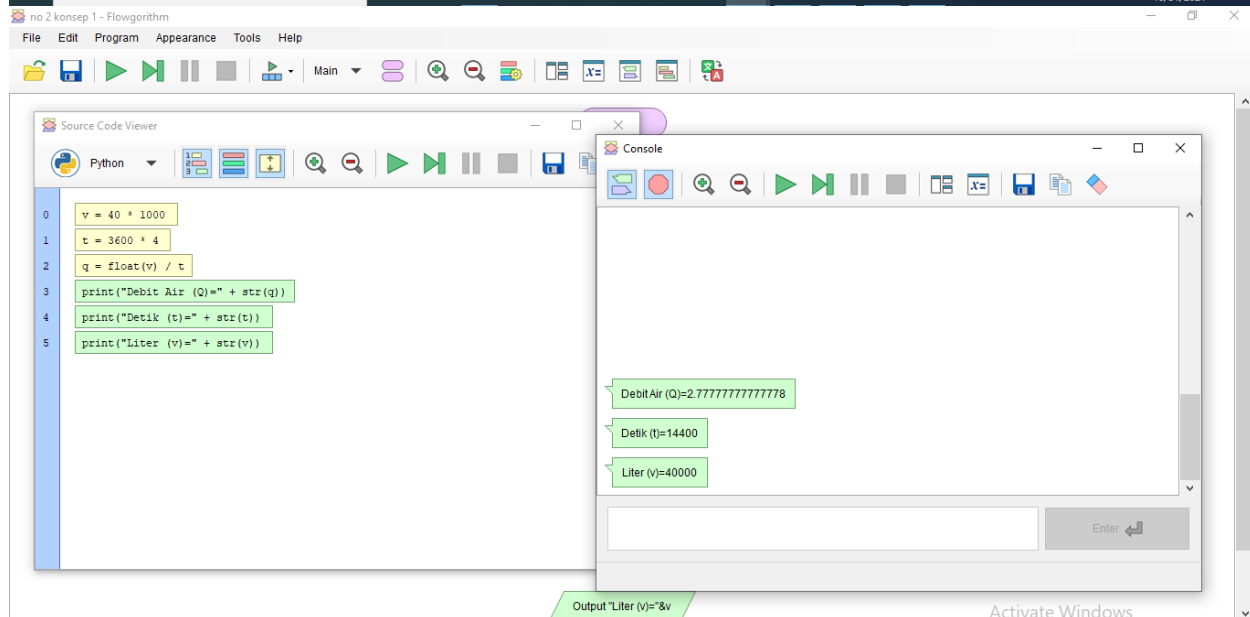
2. Kubangan Kerbau mempunyai volume 40 m³ diisi dengan air, memakai pipa. Waktu yang diperlukan untuk mengisinya sampai penuh yaitu 4 jam. Berapa liter/detik debit air yang keluar dari pipa tersebut?

Jawab:

Konsep 1



Version 2.30.3



Program has finished running.



The screenshot displays the Visual Studio Code interface with a Python file named `v = int(input().py)` open. The code in the editor is as follows:

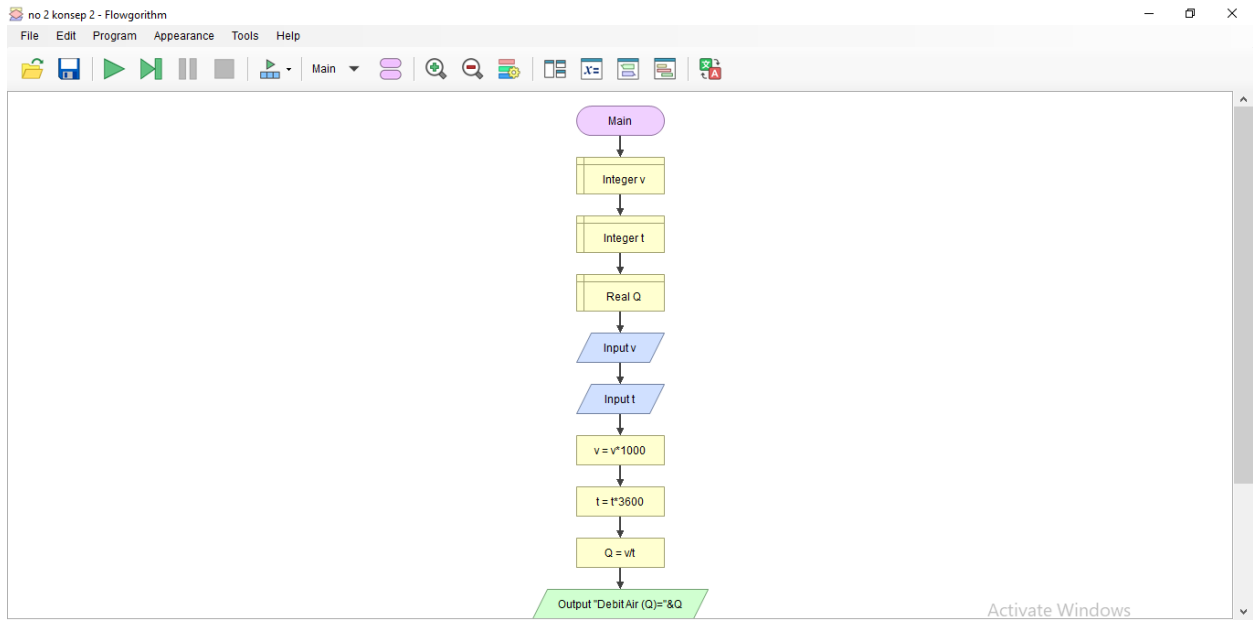
```
1 v = 40 * 1000
2 t = 3600 * 4
3 q = float(v) / t
4 print("Debit Air (Q)=" + str(q))
5 print("Detik (t)=" + str(t))
6 print("Liter (v)=" + str(v))
7
```

The terminal window at the bottom shows the execution of the script, with the following output:

```
40
36
volume centimeter per kubik (v) -40000.0
detik (t)=108000.0
debit air (Q)=22.22222222222222
PS C:\AI-PYTHON LANGUAGE> c:; cd 'c:\AI-PYTHON LANGUAGE'; & 'C:\Users\USER\AppData\Local\Programs\Python\Python310\python.exe'
'c:\Users\USER\.vscode\extensions\ms-python.python-2021.10.1365161279\pythonFiles\lib\python\debugpy\launcher' '56478' '--' 'd:\
FILE MATKUL SEMESTER 3\KB B\New folder\v = int(input().py'
Debit Air (Q)=2.222222222222222
Detik (t)=14400
Liter (v)=40000
PS C:\AI-PYTHON LANGUAGE>
```

The status bar at the bottom indicates the file is at line 7, column 1, using UTF-8 encoding with CRLF line endings. The system clock shows 11:30 PM on 10/31/2021.

Konsep 2



Version 2.30.3

no 2 konsep 2 - Flowgorithm

File Edit Program Appearance Tools Help

Source Code Viewer

```
Python  
0 v = int(input())  
1 t = int(input())  
2 v = v * 1000  
3 t = t * 3600  
4 q = float(v) / t  
5 print("Debit Air (Q)=" + str(q))  
6 print("Detik (t)=" + str(t))  
7 print("Liter (v)=" + str(v))
```

Console

```
400  
60  
Debit Air (Q)=1.85185185185185  
Detik (t)=216000  
Liter (v)=400000
```

Output "Debit Air (Q)"=Q

Program has finished running.

Activate Windows
Go to Settings to activate Windows.

The screenshot shows the Visual Studio Code interface. The Explorer pane on the left shows a project named 'AI-PYTHON LANGUAGE' with files: 'andini.py', 'iii.py', 'minggu4_code.py', and 'persegipanjang.txt'. The main editor window displays a Python script named 'v = int(input0).py' with the following code:

```
1 v = int(input())
2 t = int(input())
3 v = v * 1000
4 t = t * 3600
5 q = float(v) / t
6 print("Debit Air (Q)=-" + str(q))
7 print("Detik (t)=-" + str(t))
8 print("Liter (v)=-" + str(v))
9
```

The bottom panel shows the TERMINAL with the following output:

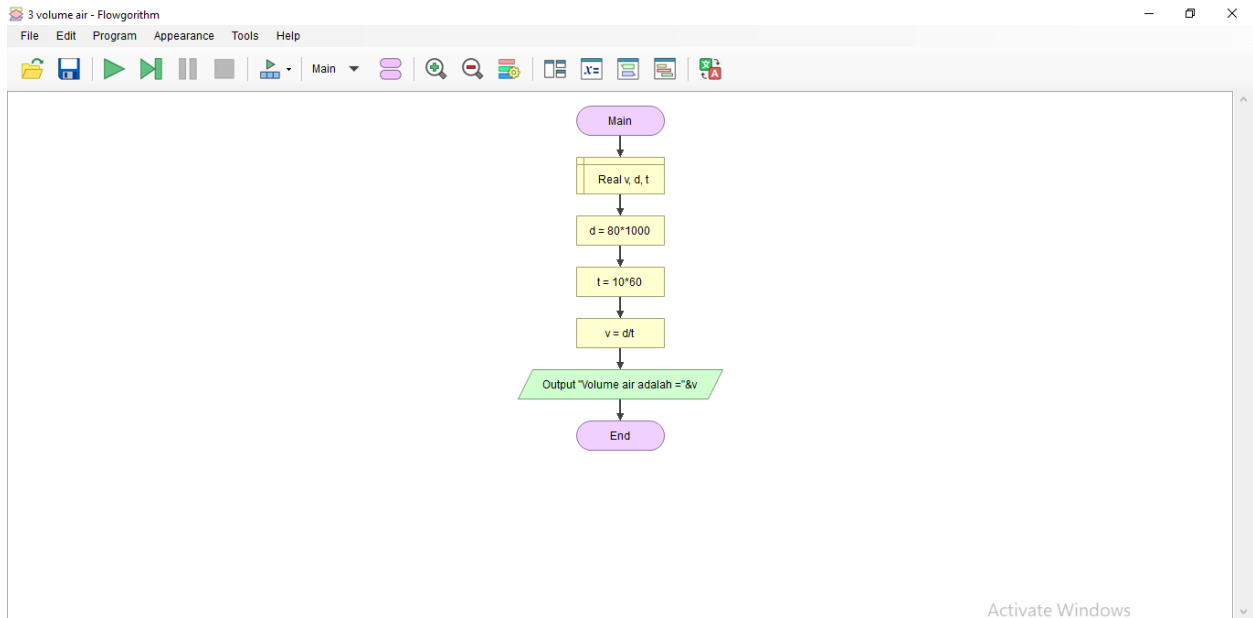
```
PS C:\AI-PYTHON LANGUAGE> & 'C:\Users\USER\AppData\Local\Programs\Python\Python310\python.exe' 'c:\Users\USER\.vscode\extensions\ms-python.python-2021.10.1365161279\pythonFiles\lib\python\debugpy\launcher' '56497' '--' 'd:\FILE MATKUL SEMESTER 3\KB B\New folder\v = int(input0).py'
400
60
Debit Air (Q)=1.8518518518518519
Detik (t)=216000
Liter (v)=400000
PS C:\AI-PYTHON LANGUAGE>
```

The status bar at the bottom indicates 'Python 3.10.0 64-bit', 'Ln 9, Col 1', 'Spaces: 4', 'UTF-8', 'CRLF', and '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?

Jawab:

Konsep 1



Version 2.30.3

Type here to search

3 volume air - Flowgorithm

File Edit Program Appearance Tools Help

Source Code Viewer

```
Python  
0 d = 80 * 1000  
1 t = 10 * 60  
2 v = d / t  
3 print("Volume air adalah =" + str(v))
```

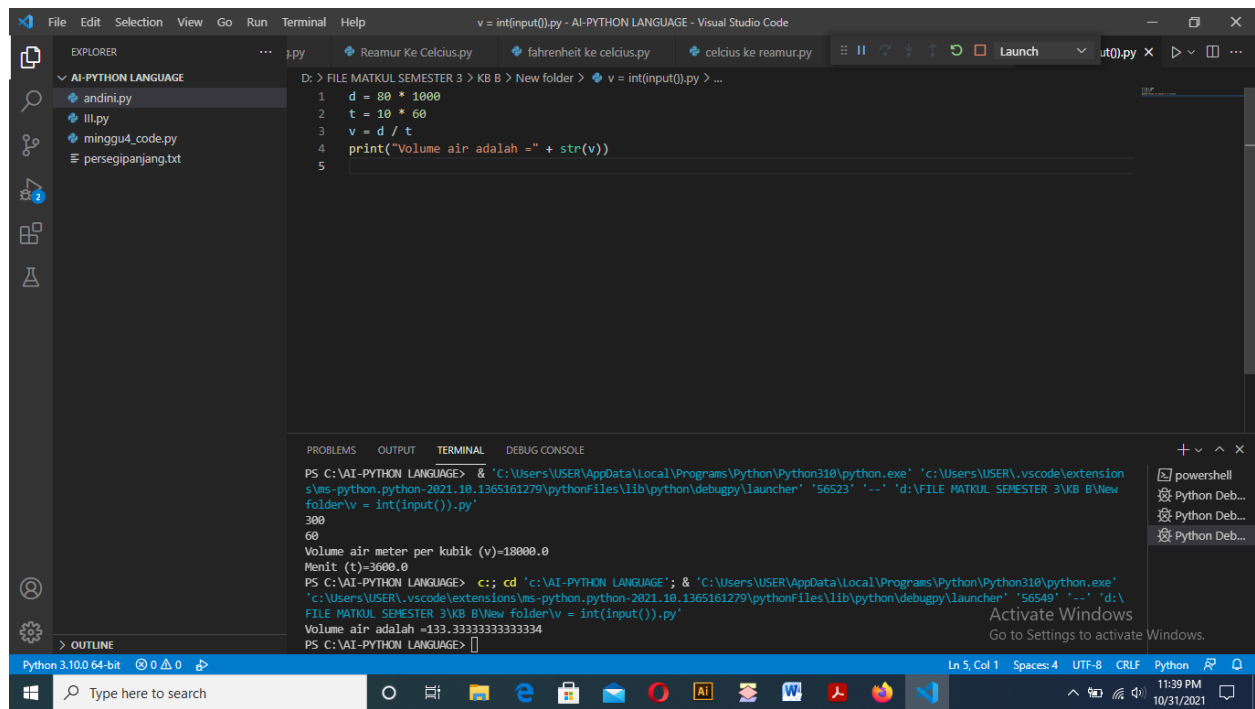
Console

Volume air adalah =133.33333333333333

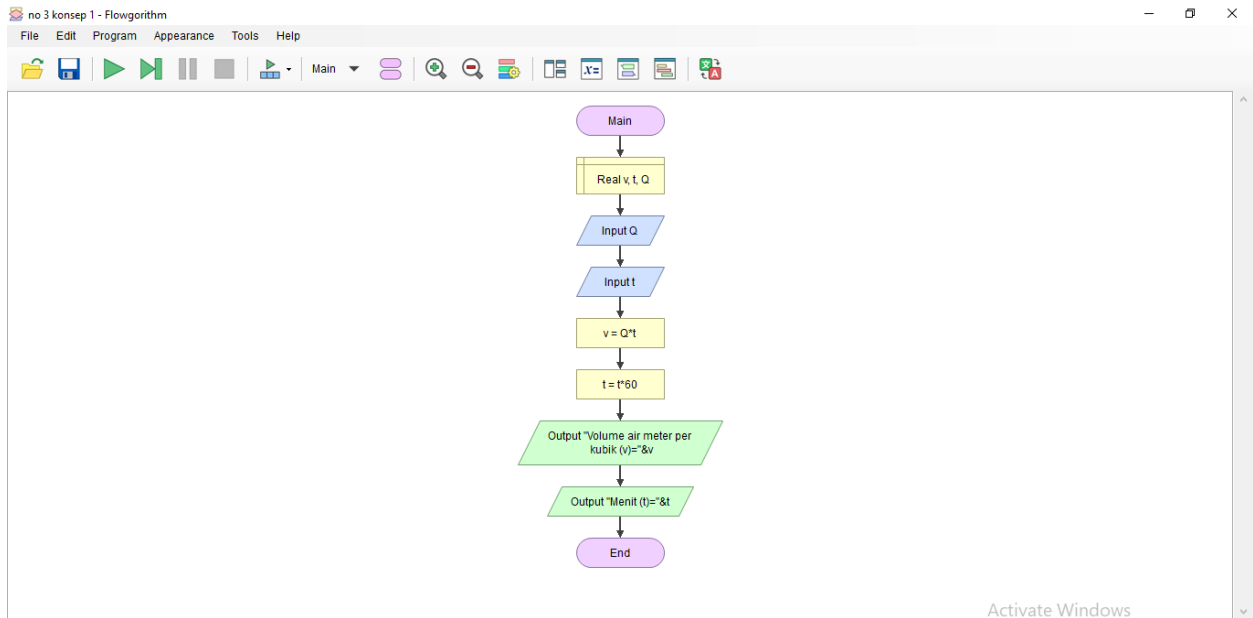
Enter

Program has finished running.

Activate Windows
Go to Settings to activate Windows.



Konsep 2



Version 2.30.3

no 3 konsep 1 - Flowgorithm

File Edit Program Appearance Tools Help

Source Code Viewer

```
Python  
0 q = float(input())  
1 t = float(input())  
2 v = q * t  
3 t = t * 60  
4 print("Volume air meter per kubik (v)=" + str(v))  
5 print("Menit (t)=" + str(t))
```

Console

300
60

Volume air meter per kubik (v)=18000
Menit (t)=3600

Enter

Program has finished running.

Activate Windows
Go to Settings to activate Windows.

