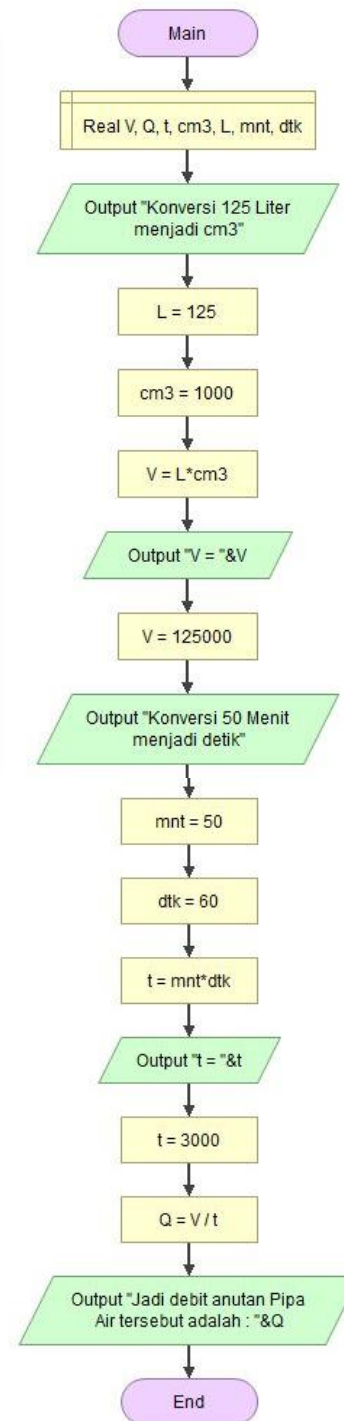
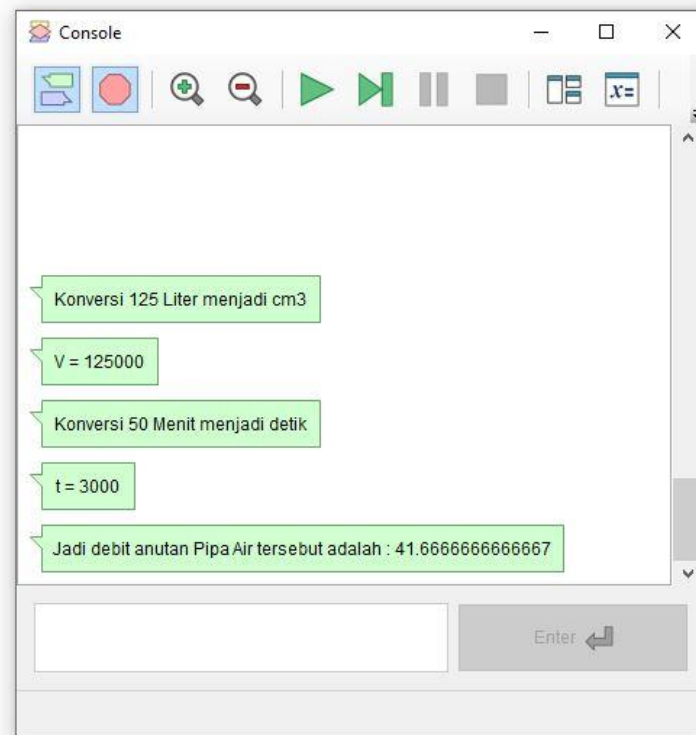
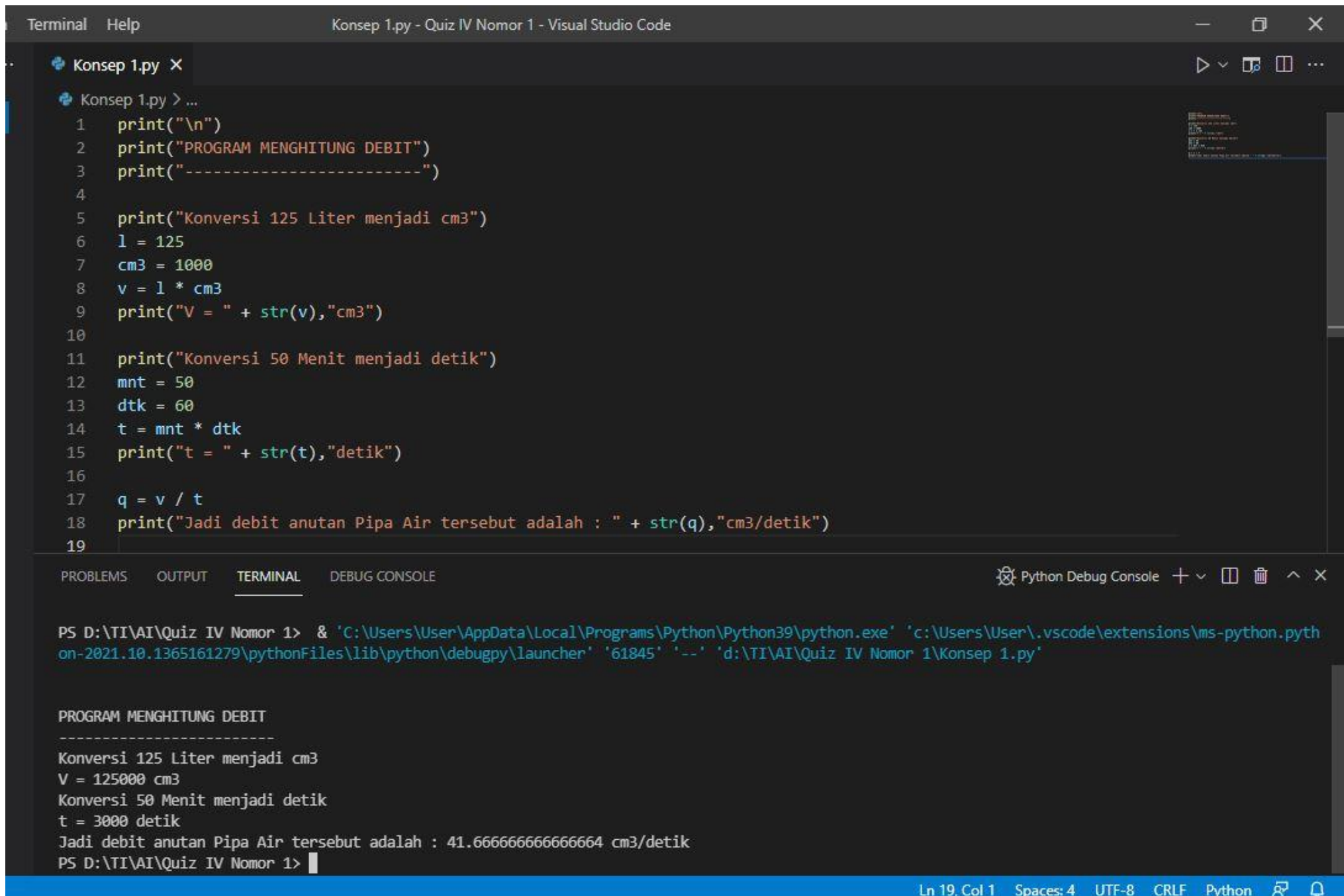


Menghitung Debit (1)

Konsep 1



Konsep 1 Menghitung Debit (1) (.py)



The image shows a Visual Studio Code window with a Python file named 'Konsep 1.py'. The code calculates the flow rate (debit) of water in a pipe. It converts 125 liters to cm³ and 50 minutes to seconds, then divides the volume by time to get the flow rate in cm³/detik.

```
1 print("\n")
2 print("PROGRAM MENGHITUNG DEBIT")
3 print("-----")
4
5 print("Konversi 125 Liter menjadi cm3")
6 l = 125
7 cm3 = 1000
8 v = l * cm3
9 print("V = " + str(v), "cm3")
10
11 print("Konversi 50 Menit menjadi detik")
12 mnt = 50
13 dtk = 60
14 t = mnt * dtk
15 print("t = " + str(t), "detik")
16
17 q = v / t
18 print("Jadi debit anutan Pipa Air tersebut adalah : " + str(q), "cm3/detik")
19
```

The terminal output shows the execution of the script, displaying the program title, conversion steps, and the final calculated flow rate of approximately 41.67 cm³/detik.

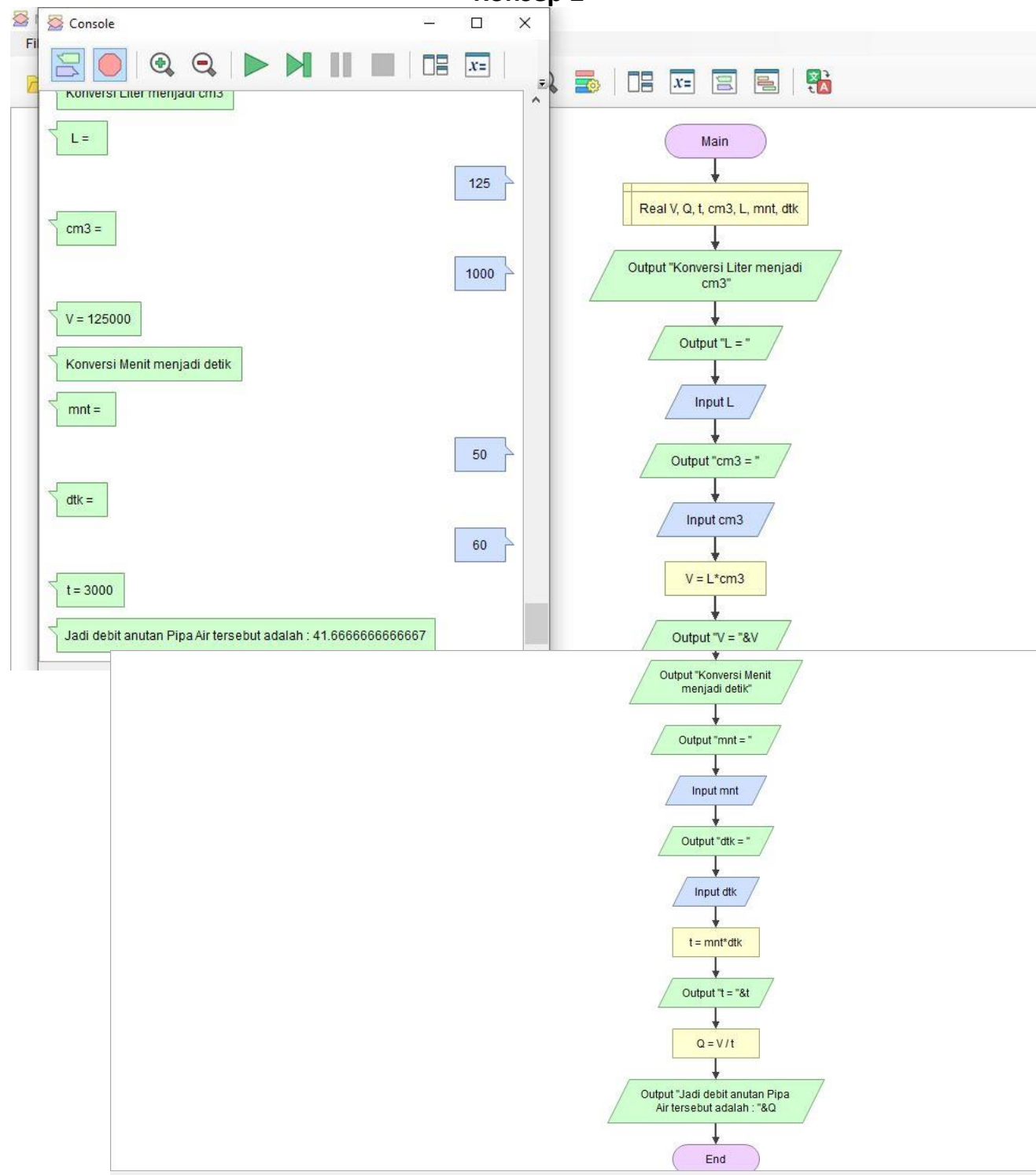
```
PS D:\TI\AI\Quiz IV Nomor 1> & 'C:\Users\User\AppData\Local\Programs\Python\Python39\python.exe' 'c:\Users\User\.vscode\extensions\ms-python.pyth
on-2021.10.1365161279\pythonFiles\lib\python\debugpy\launcher' '61845' '--' 'd:\TI\AI\Quiz IV Nomor 1\Konsep 1.py'

PROGRAM MENGHITUNG DEBIT
-----
Konversi 125 Liter menjadi cm3
V = 125000 cm3
Konversi 50 Menit menjadi detik
t = 3000 detik
Jadi debit anutan Pipa Air tersebut adalah : 41.666666666666664 cm3/detik
PS D:\TI\AI\Quiz IV Nomor 1>
```

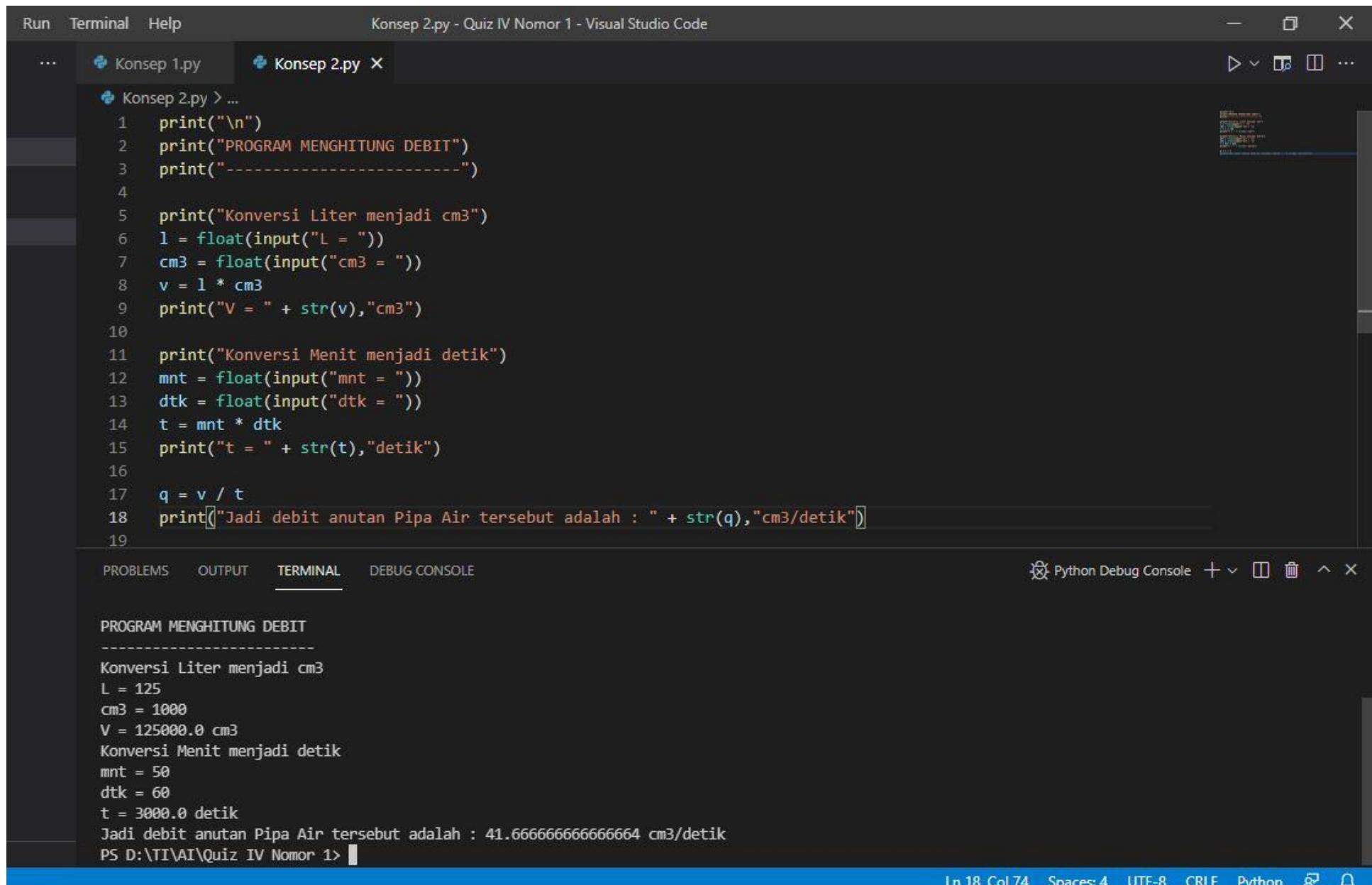
Ln 19, Col 1 Spaces: 4 UTF-8 CRLF Python

Menghitung Debit (1)

Konsep 2



Konsep 2 Menghitung Debit (1) (.py)



```
Run Terminal Help Konsep 2.py - Quiz IV Nomor 1 - Visual Studio Code
... Konsep 1.py Konsep 2.py X
Konsep 2.py > ...
1 print("\n")
2 print("PROGRAM MENGHITUNG DEBIT")
3 print("-----")
4
5 print("Konversi Liter menjadi cm3")
6 l = float(input("L = "))
7 cm3 = float(input("cm3 = "))
8 v = l * cm3
9 print("V = " + str(v), "cm3")
10
11 print("Konversi Menit menjadi detik")
12 mnt = float(input("mnt = "))
13 dtk = float(input("dtk = "))
14 t = mnt * dtk
15 print("t = " + str(t), "detik")
16
17 q = v / t
18 print("Jadi debit anutan Pipa Air tersebut adalah : " + str(q), "cm3/detik")
19

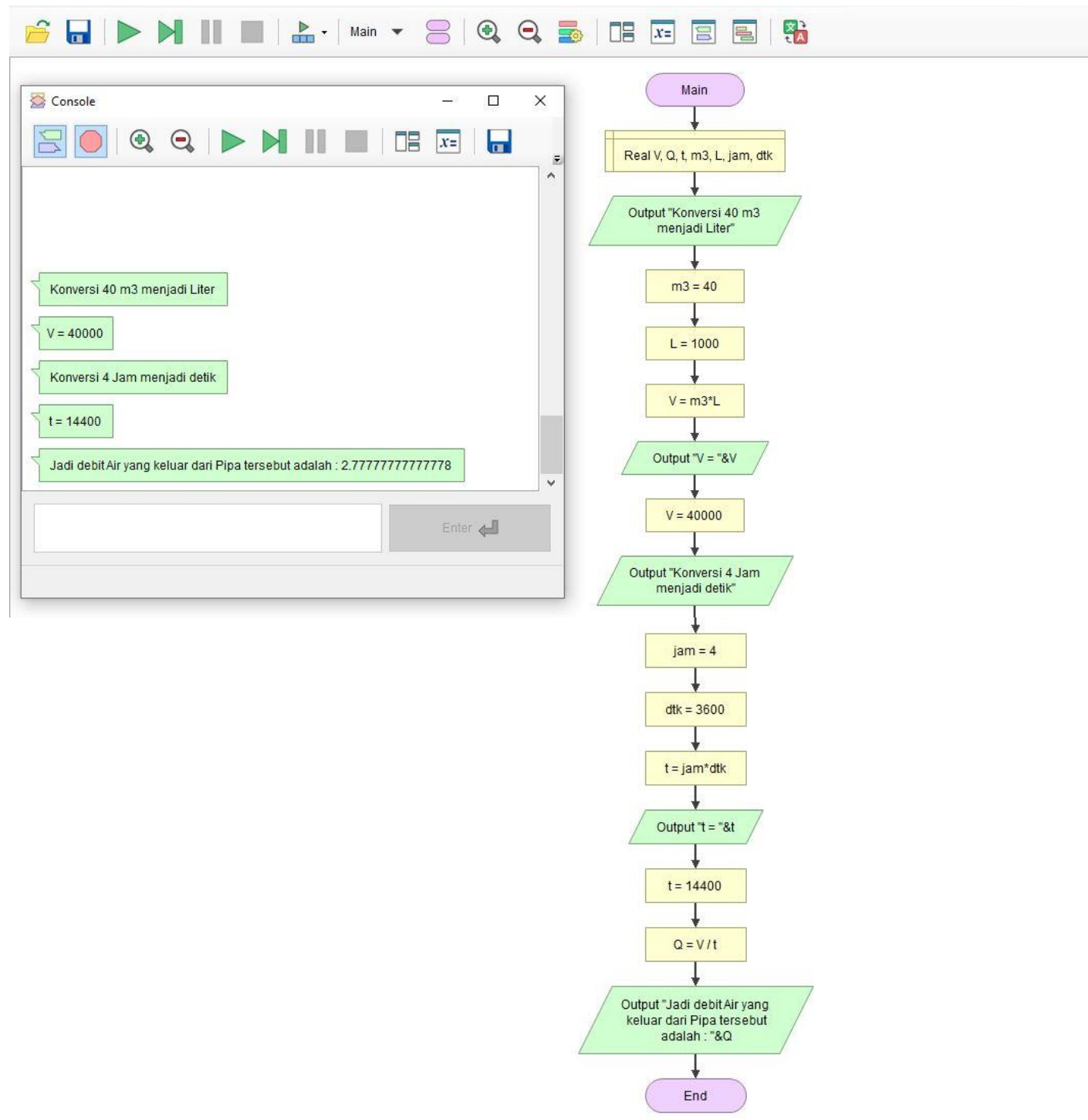
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE Python Debug Console + - [] {} ^ X

PROGRAM MENGHITUNG DEBIT
-----
Konversi Liter menjadi cm3
L = 125
cm3 = 1000
V = 125000.0 cm3
Konversi Menit menjadi detik
mnt = 50
dtk = 60
t = 3000.0 detik
Jadi debit anutan Pipa Air tersebut adalah : 41.666666666666664 cm3/detik
PS D:\TI\AI\Quiz IV Nomor 1> |
```

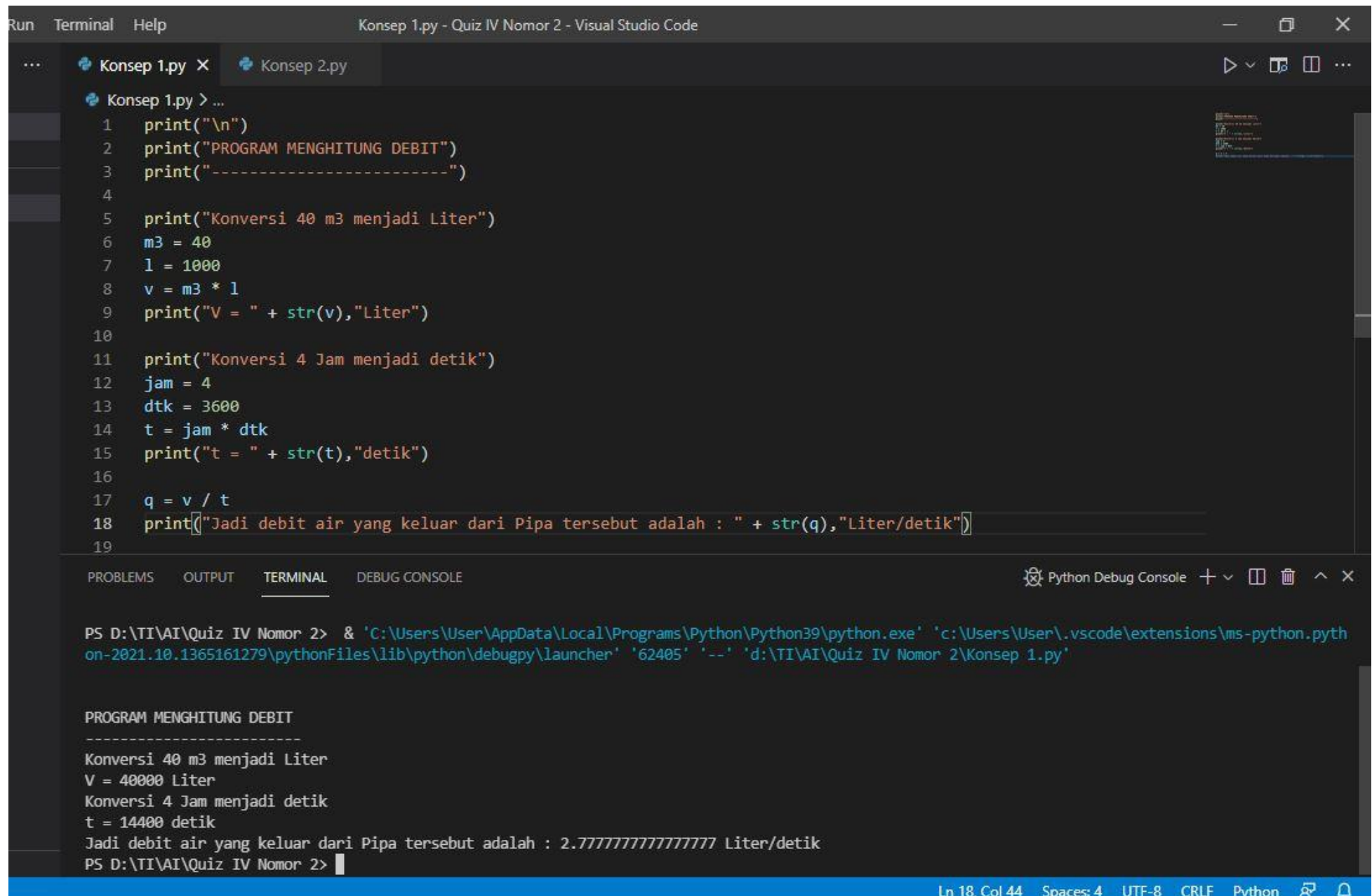
Ln 18, Col 74 Spaces: 4 UTF-8 CRLF Python

Menghitung Debit (2)

Konsep 1



Konsep 1 Menghitung Debit (2) (.py)



The image shows a Visual Studio Code editor window with a Python file named 'Konsep 1.py'. The script calculates the discharge (debit) of water from a pipe. It first converts 40 m³ to liters (40,000 L) and 4 hours to seconds (14,400 s). Then, it divides the volume by time to get the discharge rate of approximately 2.78 L/s.

```
1 print("\n")
2 print("PROGRAM MENGHITUNG DEBIT")
3 print("-----")
4
5 print("Konversi 40 m3 menjadi Liter")
6 m3 = 40
7 l = 1000
8 v = m3 * l
9 print("v = " + str(v), "Liter")
10
11 print("Konversi 4 Jam menjadi detik")
12 jam = 4
13 dtk = 3600
14 t = jam * dtk
15 print("t = " + str(t), "detik")
16
17 q = v / t
18 print("Jadi debit air yang keluar dari Pipa tersebut adalah : " + str(q), "Liter/detik")
19
```

The terminal output shows the execution of the script, displaying the program title, conversion steps, and the final calculated discharge rate.

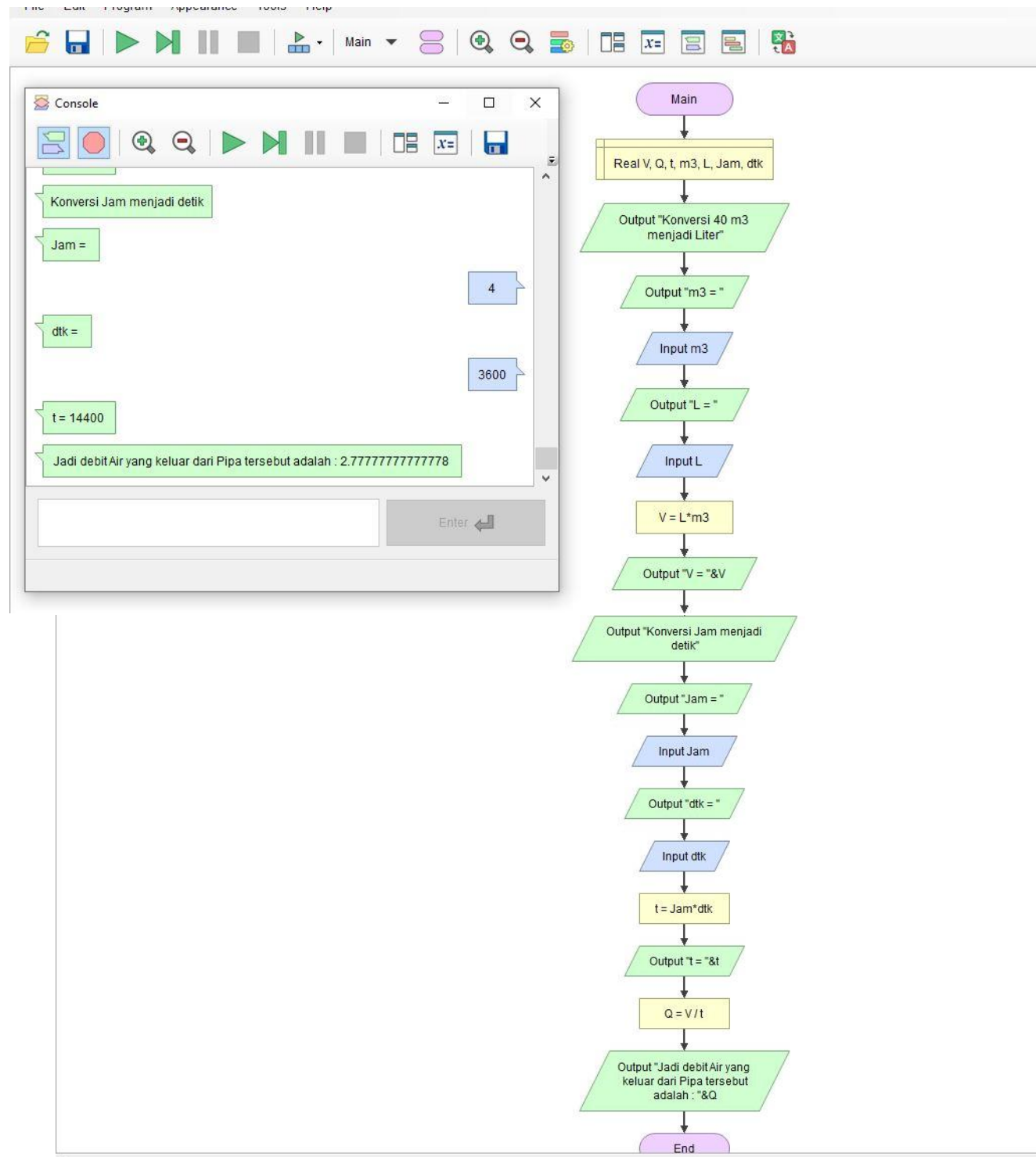
```
PS D:\TI\AI\Quiz IV Nomor 2> & 'C:\Users\User\AppData\Local\Programs\Python\Python39\python.exe' 'c:\Users\User\.vscode\extensions\ms-python.python-2021.10.1365161279\pythonFiles\lib\python\debugpy\launcher' '62405' '--' 'd:\TI\AI\Quiz IV Nomor 2\Konsep 1.py'

PROGRAM MENGHITUNG DEBIT
-----
Konversi 40 m3 menjadi Liter
V = 40000 Liter
Konversi 4 Jam menjadi detik
t = 14400 detik
Jadi debit air yang keluar dari Pipa tersebut adalah : 2.7777777777777777 Liter/detik
PS D:\TI\AI\Quiz IV Nomor 2>
```

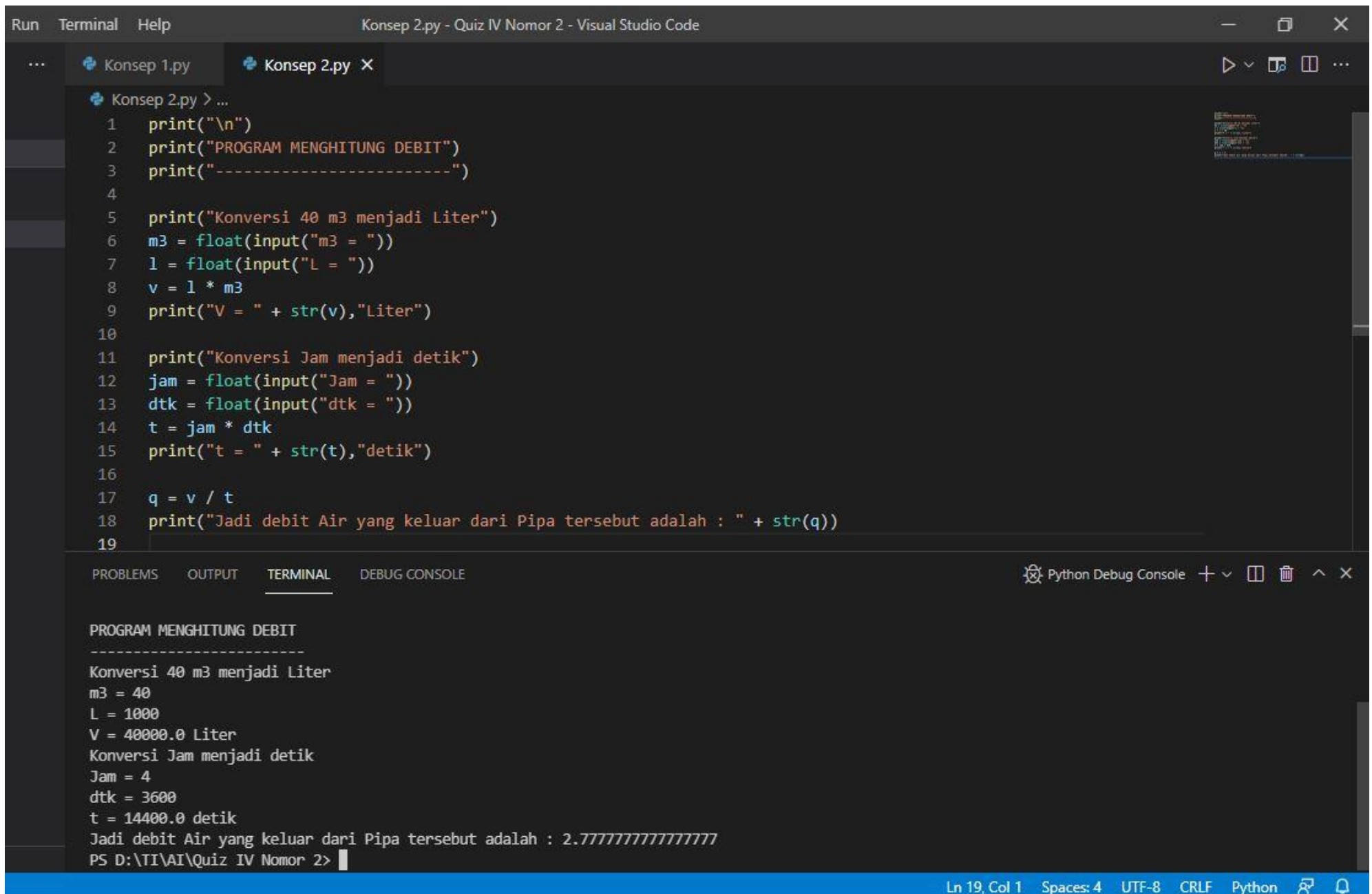
Ln 18, Col 44 Spaces: 4 UTF-8 CRLF Python

Menghitung Debit (2)

Konsep 2



Konsep 2 Menghitung Debit (2) (.py)



The image shows a Visual Studio Code editor window with a Python file named 'Konsep 2.py'. The script calculates the discharge (debit) of water from a pipe. It prompts the user for volume (m3) and length (L) to calculate volume (V), and for time (jam) and duration (dtk) to calculate time (t). Finally, it calculates the discharge (q) as V divided by t.

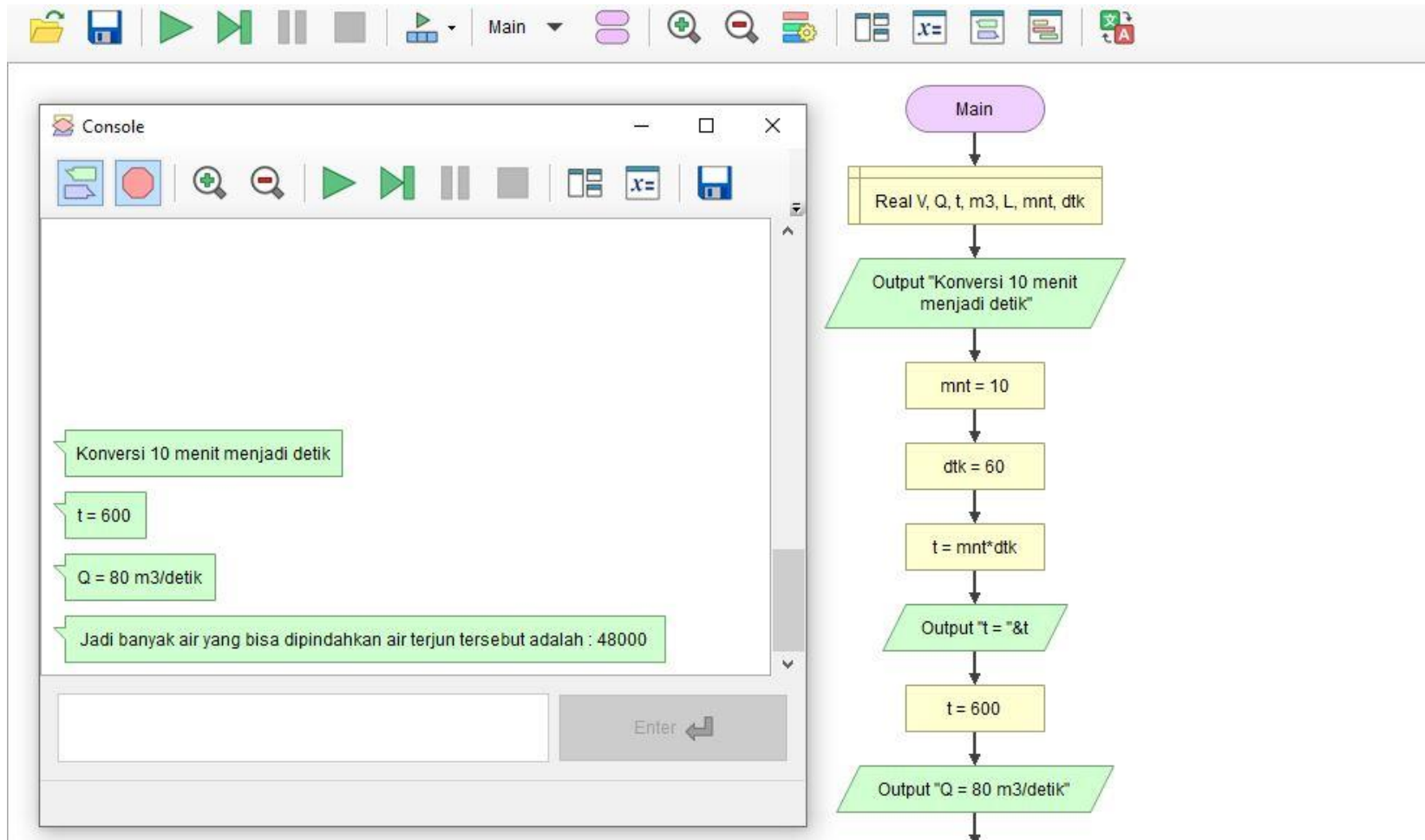
```
Konsep 2.py > ...
1  print("\n")
2  print("PROGRAM MENGHITUNG DEBIT")
3  print("-----")
4
5  print("Konversi 40 m3 menjadi Liter")
6  m3 = float(input("m3 = "))
7  l = float(input("L = "))
8  v = l * m3
9  print("V = " + str(v), "Liter")
10
11 print("Konversi Jam menjadi detik")
12 jam = float(input("Jam = "))
13 dtk = float(input("dtk = "))
14 t = jam * dtk
15 print("t = " + str(t), "detik")
16
17 q = v / t
18 print("Jadi debit Air yang keluar dari Pipa tersebut adalah : " + str(q))
19
```

The terminal output shows the program's execution with sample inputs: m3 = 40, L = 1000, V = 40000.0 Liter, Jam = 4, dtk = 3600, t = 14400.0 detik, and the final result q = 2.7777777777777777.

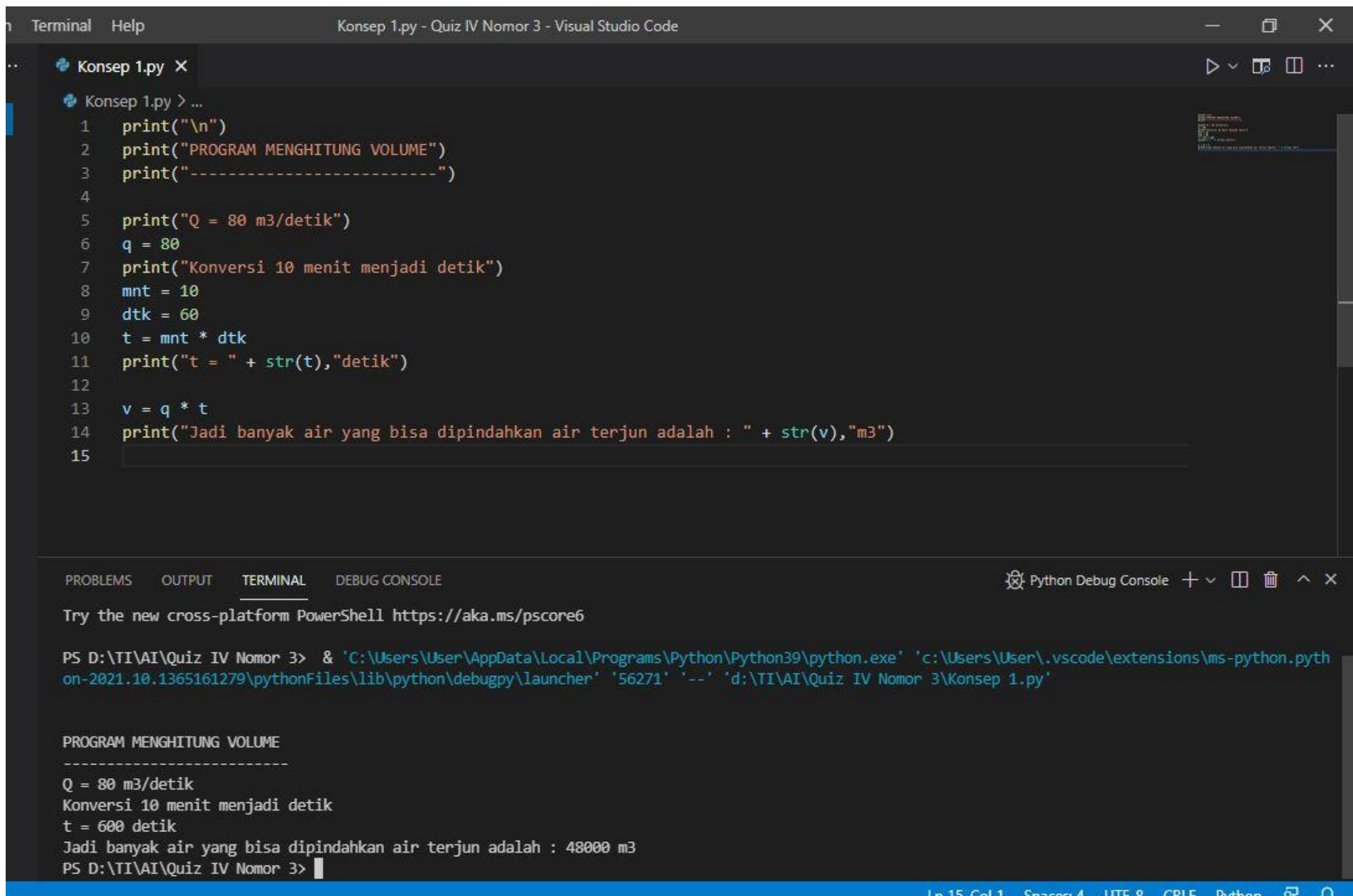
```
PROGRAM MENGHITUNG DEBIT
-----
Konversi 40 m3 menjadi Liter
m3 = 40
L = 1000
V = 40000.0 Liter
Konversi Jam menjadi detik
Jam = 4
dtk = 3600
t = 14400.0 detik
Jadi debit Air yang keluar dari Pipa tersebut adalah : 2.7777777777777777
PS D:\TI\AI\Quiz IV Nomor 2>
```

Ln 19, Col 1 Spaces: 4 UTF-8 CRLF Python

Menghitung Volume Konsep 1



Konsep 1 Menghitung Volume (.py)



The image shows a Visual Studio Code editor window with a Python file named 'Konsep 1.py'. The code is a simple program to calculate the volume of water that can be moved by a waterfall in 10 minutes. The code is as follows:

```
1 print("\n")
2 print("PROGRAM MENGHITUNG VOLUME")
3 print("-----")
4
5 print("Q = 80 m3/detik")
6 q = 80
7 print("Konversi 10 menit menjadi detik")
8 mnt = 10
9 dtk = 60
10 t = mnt * dtk
11 print("t = " + str(t), "detik")
12
13 v = q * t
14 print("Jadi banyak air yang bisa dipindahkan air terjun adalah : " + str(v), "m3")
15
```

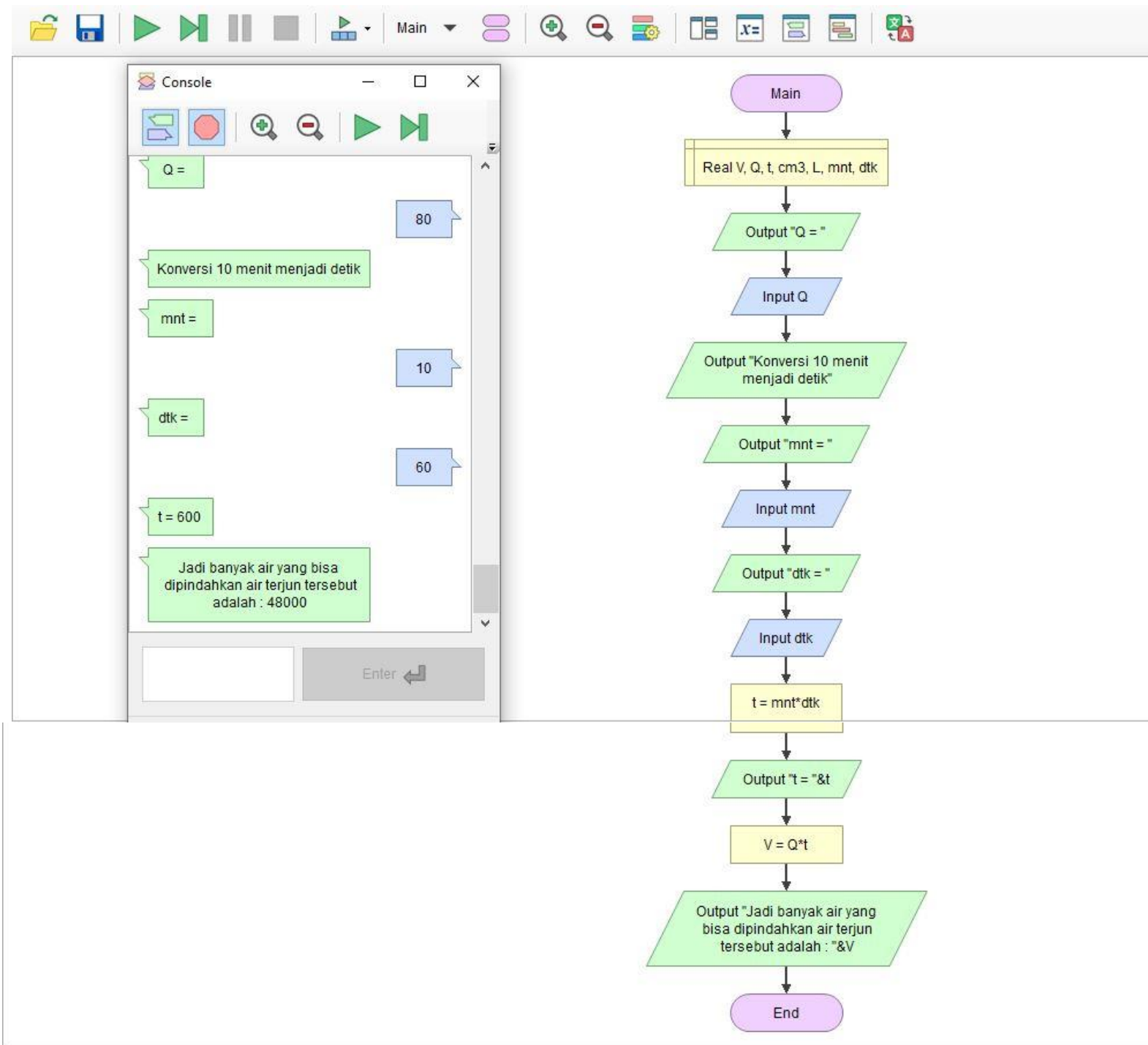
The terminal output shows the execution of the program, which produces the following text:

```
PROGRAM MENGHITUNG VOLUME
-----
Q = 80 m3/detik
Konversi 10 menit menjadi detik
t = 600 detik
Jadi banyak air yang bisa dipindahkan air terjun adalah : 48000 m3
```

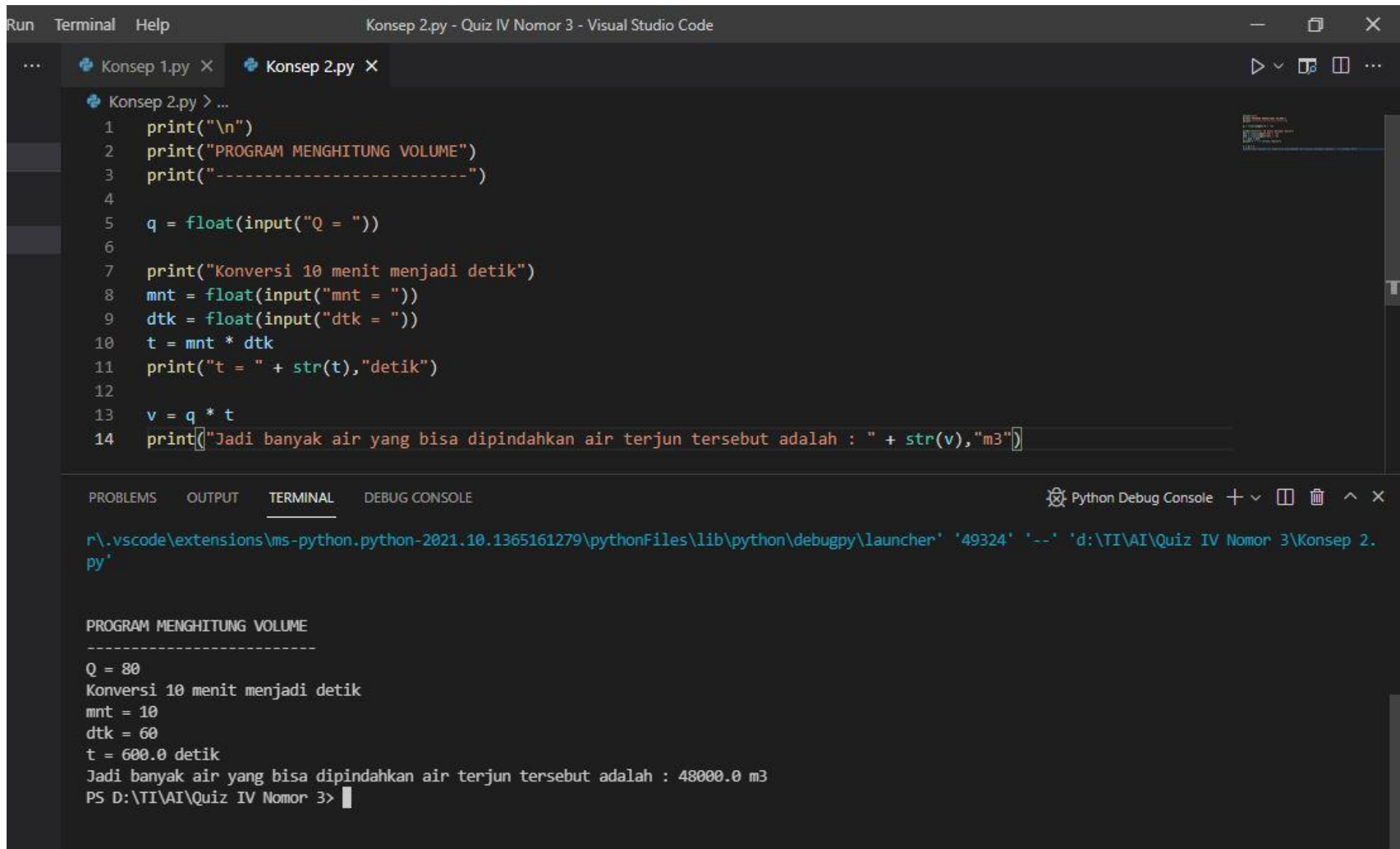
The terminal also shows the command used to run the program:

```
PS D:\TI\AI\Quiz IV Nomor 3> & 'C:\Users\User\AppData\Local\Programs\Python\Python39\python.exe' 'c:\Users\User\.vscode\extensions\ms-python.python-2021.10.1365161279\pythonFiles\lib\python\debugpy\launcher' '56271' '--' 'd:\TI\AI\Quiz IV Nomor 3\Konsep 1.py'
```

Menghitung Volume Konsep 2



Konsep 2 Menghitung Volume (.py)



The image shows a Visual Studio Code editor window with a Python file named 'Konsep 2.py'. The script is designed to calculate the volume of water that can be moved by a waterfall. It prompts the user for the width of the waterfall (Q) and the height (mnt). It then converts the height from minutes to seconds (dtk) and calculates the total time (t) by multiplying the height by the conversion factor. Finally, it calculates the volume (v) by multiplying the width (Q) by the total time (t) and prints the result in cubic meters (m3).

```
1 print("\n")
2 print("PROGRAM MENGHITUNG VOLUME")
3 print("-----")
4
5 q = float(input("Q = "))
6
7 print("Konversi 10 menit menjadi detik")
8 mnt = float(input("mnt = "))
9 dtk = float(input("dtk = "))
10 t = mnt * dtk
11 print("t = " + str(t), "detik")
12
13 v = q * t
14 print("Jadi banyak air yang bisa dipindahkan air terjun tersebut adalah : " + str(v), "m3")
```

The terminal output shows the execution of the program with the following inputs and results:

```
PROGRAM MENGHITUNG VOLUME
-----
Q = 80
Konversi 10 menit menjadi detik
mnt = 10
dtk = 60
t = 600.0 detik
Jadi banyak air yang bisa dipindahkan air terjun tersebut adalah : 48000.0 m3
PS D:\TI\AI\Quiz IV Nomor 3>
```