Nama : Fathiya Rohali

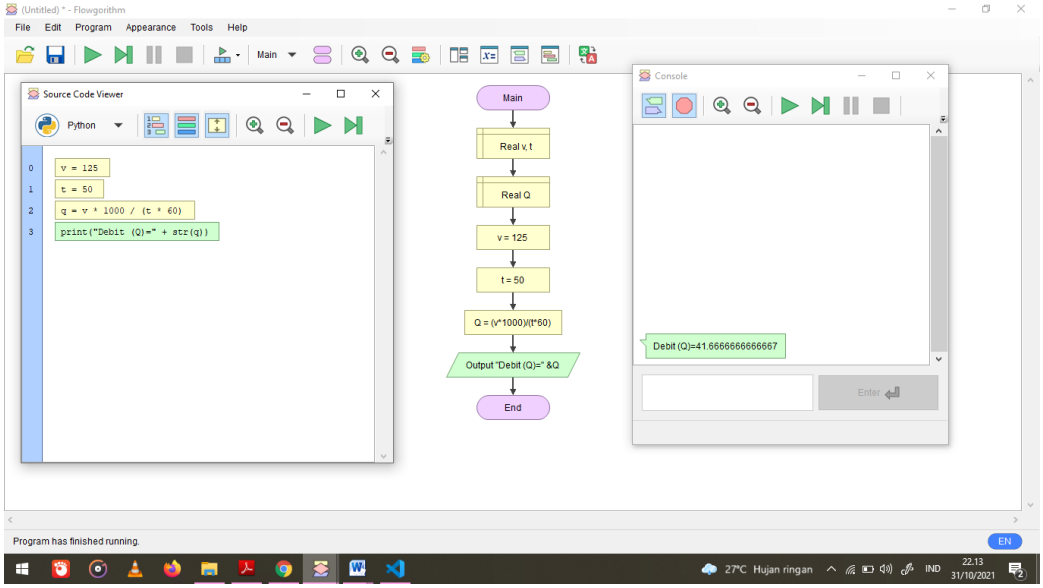
NIM : 20.01.013.051

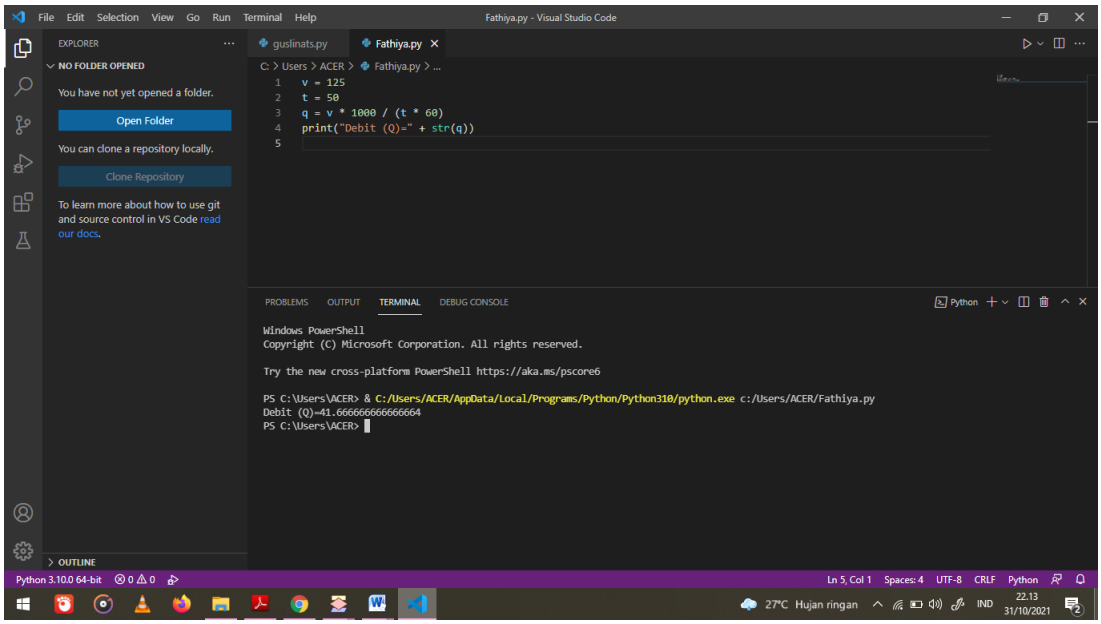
Kelas : Informatika-B

Mata Kuliah : Kecerdasan Buatan

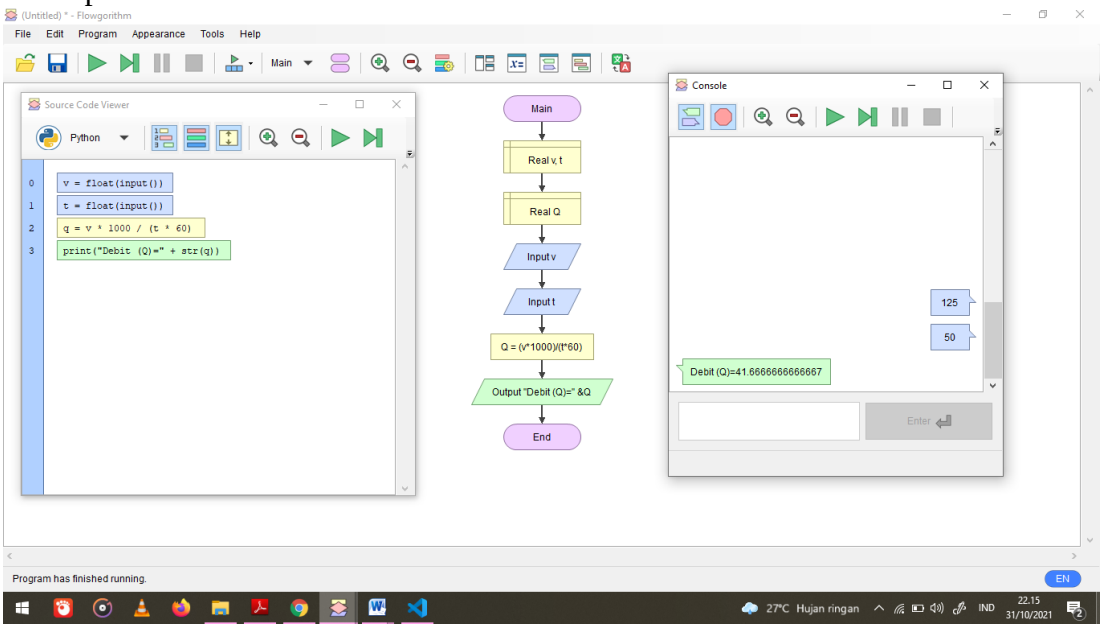
1. Di Kampus UTS memiliki pipa yang bisa mengalirkan air sebanyak 125 liter air dalam waktu 50 menit. Berapa cm3/detik anutan pipa air tersebut?

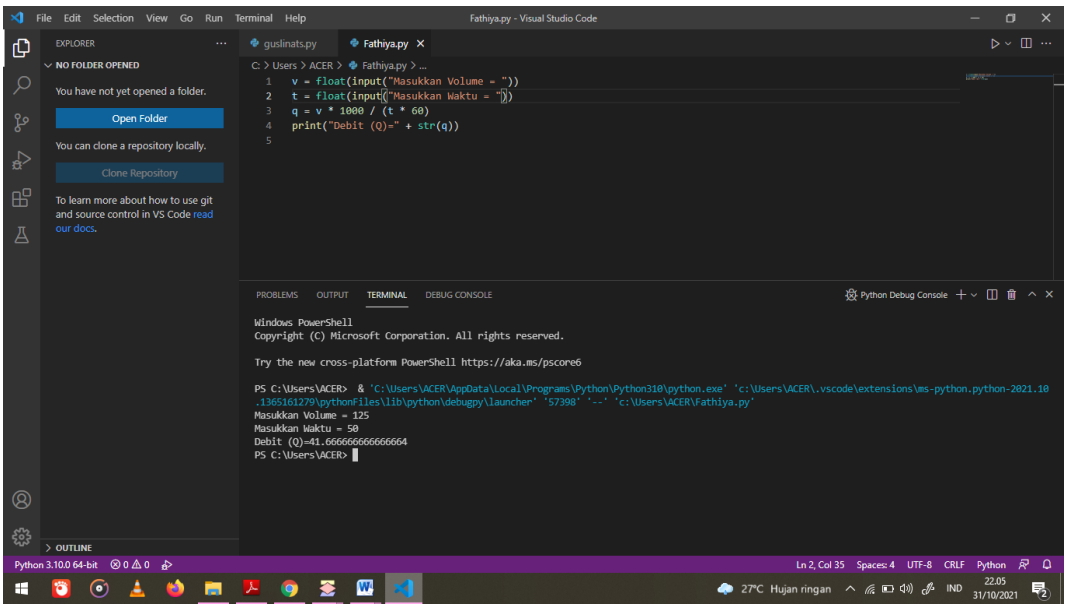
Konsep 1





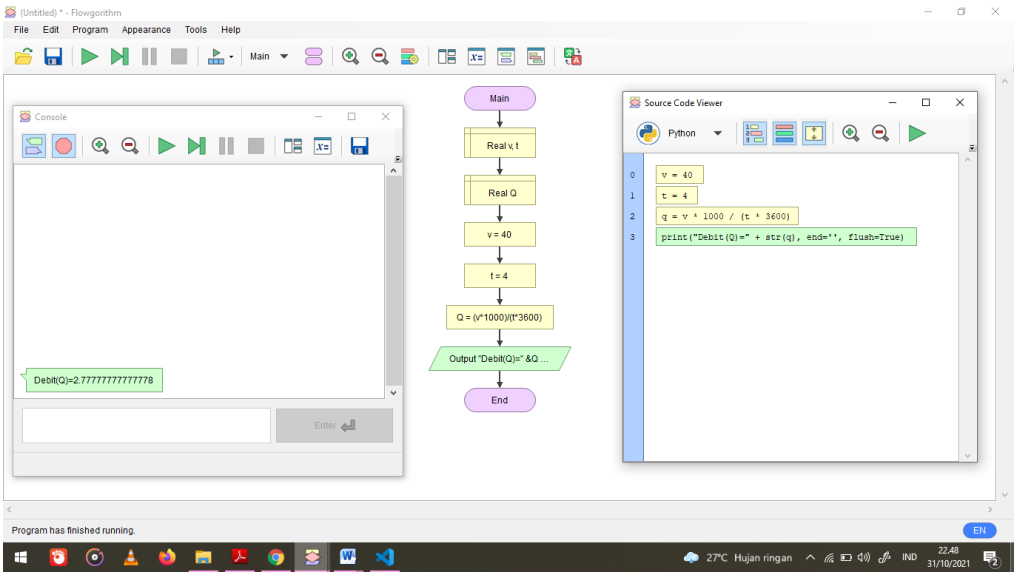
Konsep 2

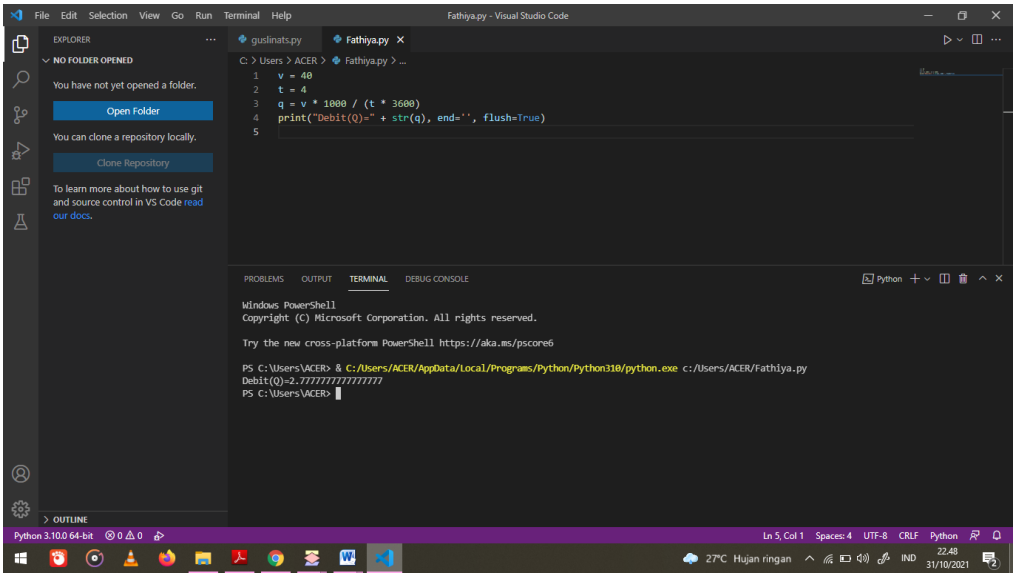




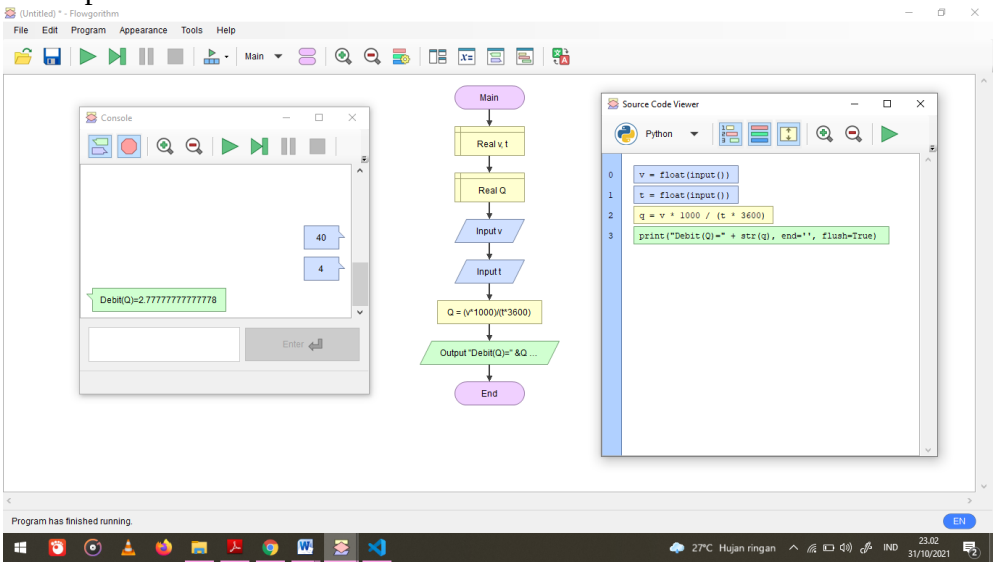
2. Kubangan Kerbau mempunyai volume 40 m3 diisi dengan air, memakai pipa. Waktu yang diperlukan untuk mengisinya sampai penuh yaitu 4 jam. Berapa liter/detik debit air yang keluar dari pipa tersebut?

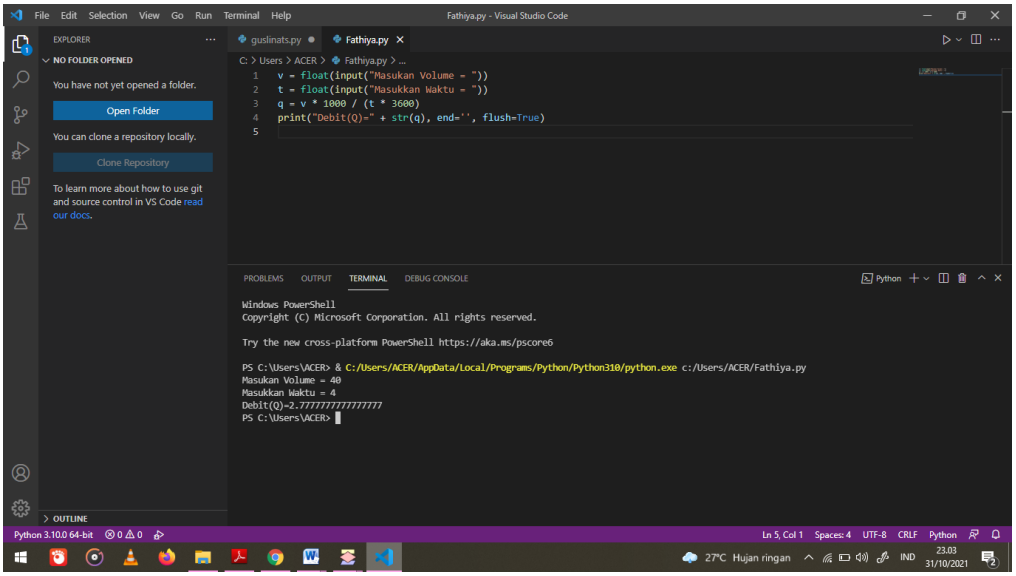
Konsep 1


(Untitled) * - Flowgorithm
File Edit Program Appearance Tools Help
Main
Console
Debit(Q)=2.77777777777778
Enter
Main
Real v, t
Real Q
v = 40
t = 4
Q = (v*1000)/(t*3600)
Output "Debit(Q)=" &Q ...
End
Source Code Viewer
Python
v = 40
t = 4
q = v * 1000 / (t * 3600)
print("Debit(Q)=" + str(q), end='', flush=True)
Program has finished running.
EN
27°C Hujan ringan
IND
22.48
31/10/2021


File Edit Selection View Go Run Terminal Help
Fathiya.py - Visual Studio Code
EXPLORER
NO FOLDER OPENED
You have not yet opened a folder.
Open Folder
You can clone a repository locally.
Clone Repository
To learn more about how to use git and source control in VS Code read our docs.
guslinats.py
Fathiya.py
C: > Users > ACER > Fathiya.py > ...
v = 40
t = 4
q = v * 1000 / (t * 3600)
print("Debit(Q)=" + str(q), end='', flush=True)
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
Python
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.
Try the new cross-platform PowerShell https://aka.ms/pscore6
PS C:\Users\ACER> & C:/Users/ACER/AppData/Local/Programs/Python/Python310/python.exe c:/Users/ACER/Fathiya.py
Debit(Q)=2.77777777777778
PS C:\Users\ACER>
OUTLINE
Python 3.10.0 64-bit
Ln 5, Col 1 Spaces: 4 UTF-8 CRLF Python
27°C Hujan ringan
IND
22.48
31/10/2021

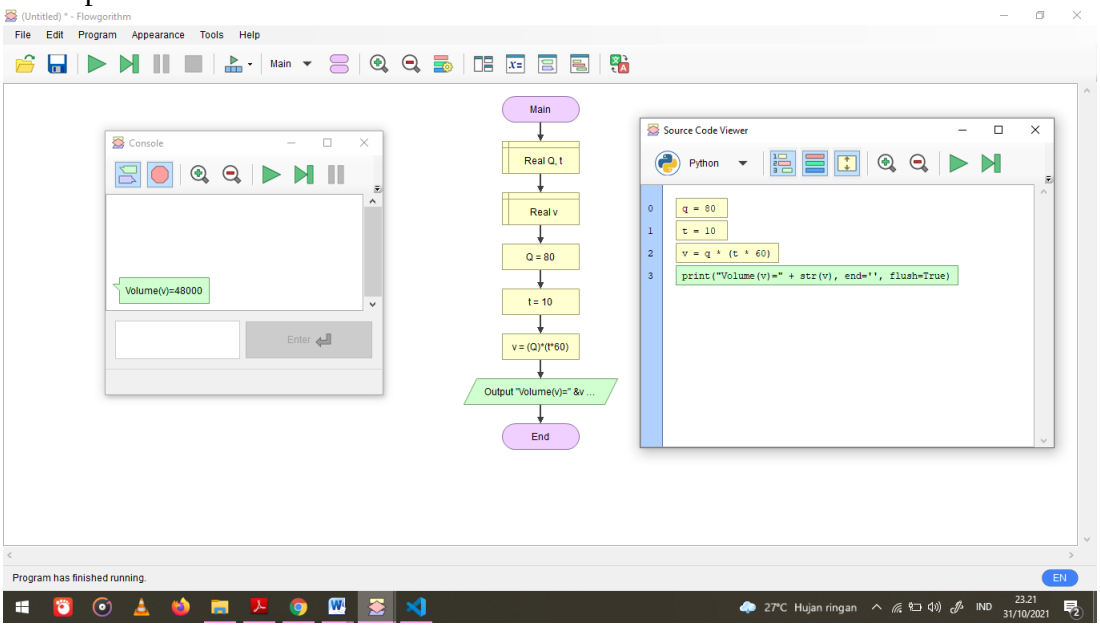
Konsep 2

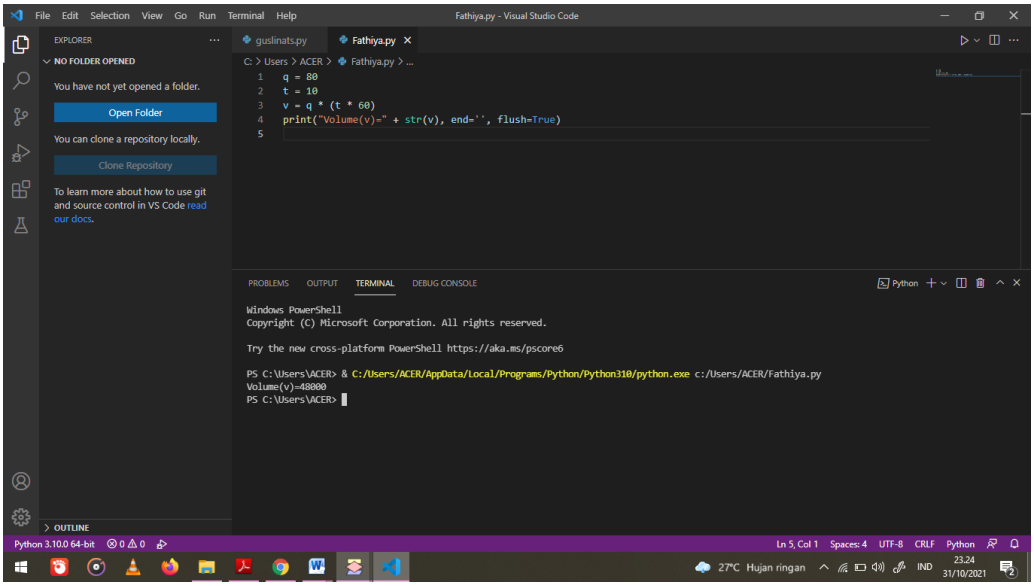

(Untitled) * - Flowgorithm
File Edit Program Appearance Tools Help
Main
Console
40
4
Debit(Q)=2.77777777777778
Enter
Main
Real v, t
Real Q
Input v
Input t
Q = (v*1000)/(t*3600)
Output "Debit(Q)=" &Q ...
End
Source Code Viewer
Python
v = float(input())
t = float(input())
q = v * 1000 / (t * 3600)
print("Debit(Q)=" + str(q), end='', flush=True)
Program has finished running.
EN
27°C Hujan ringan
IND
23.02
31/10/2021



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




File Edit Selection View Go Run Terminal Help
Fathiya.py - Visual Studio Code
EXPLORER
NO FOLDER OPENED
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Clone Repository
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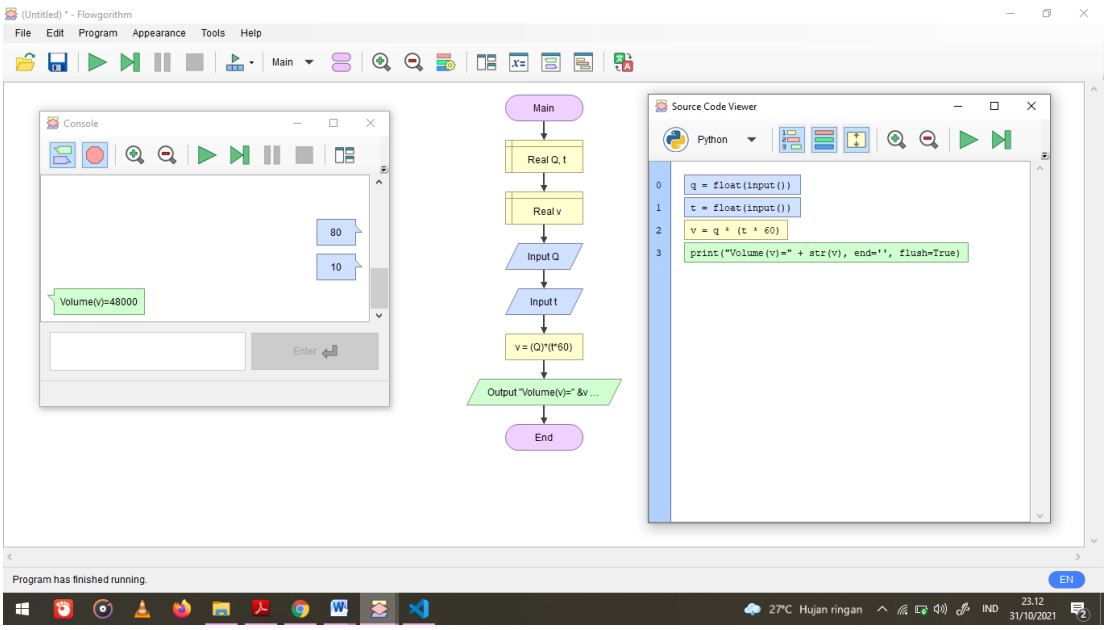
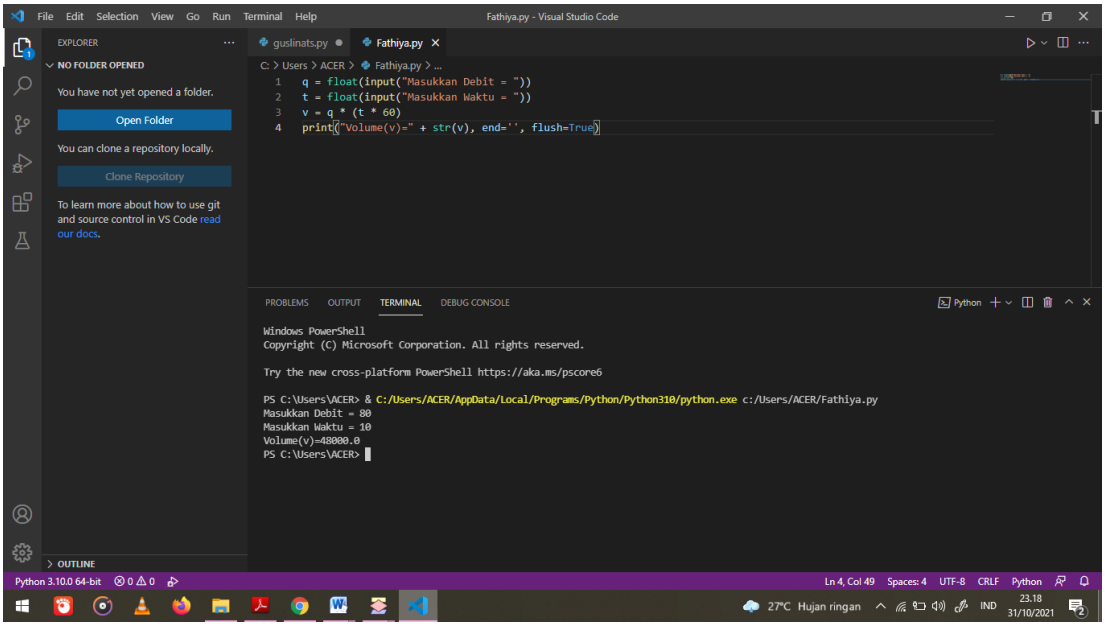
guslinats.py
Fathiya.py
C: > Users > ACER > Fathiya.py > ...
1 q = 80
2 t = 10
3 v = q * (t * 60)
4 print("Volume(v)=" + str(v), end='', flush=True)
5
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
Python
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.
Try the new cross-platform PowerShell https://aka.ms/pscore6
PS C:\Users\ACER> & C:/Users/ACER/AppData/Local/Programs/Python/Python310/python.exe c:/Users/ACER/Fathiya.py
Volume(v)=48000
PS C:\Users\ACER>
OUTLINE
Python 3.10.0 64-bit
Ln 5, Col 1 Spaces: 4 UTF-8 CRLF Python
27°C Hujan ringan
IND
23.24
31/10/2021

Konsep 2


(Untitled) * - Flowgorithm
File Edit Program Appearance Tools Help
Main
Console
80
10
Volume(v)=48000
Enter
Main
Real Q, t
Real v
Input Q
Input t
v = (Q)*(t*60)
Output "Volume(v)=" &v ...
End
Source Code Viewer
Python
0 q = float(input())
1 t = float(input())
2 v = q * (t * 60)
3 print("Volume(v)=" + str(v), end='', flush=True)
Program has finished running.
EN
27°C Hujan ringan
IND
23.12
31/10/2021


File Edit Selection View Go Run Terminal Help
Fathiya.py - Visual Studio Code
EXPLORER
NO FOLDER OPENED
You have not yet opened a folder.
Open Folder
You can clone a repository locally.
Clone Repository
To learn more about how to use git and source control in VS Code read our docs.
OUTLINE
guslinats.py
Fathiya.py
C: > Users > ACER > Fathiya.py > ...
1 q = float(input("Masukkan Debit = "))
2 t = float(input("Masukkan Waktu = "))
3 v = q * (t * 60)
4 print("Volume(v)=" + str(v), end='', flush=True)
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
Python
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.
Try the new cross-platform PowerShell https://aka.ms/pscore6
PS C:\Users\ACER> & C:/Users/ACER/AppData/Local/Programs/Python/Python310/python.exe c:/Users/ACER/Fathiya.py
Masukkan Debit = 80
Masukkan Waktu = 10
Volume(v)=48000.0
PS C:\Users\ACER>
Python 3.10.0 64-bit
Ln 4, Col 49 Spaces: 4 UTF-8 CRLF Python
27°C Hujan ringan
IND
23.18
31/10/2021