Nama : Muhammad Fakhrul Amin

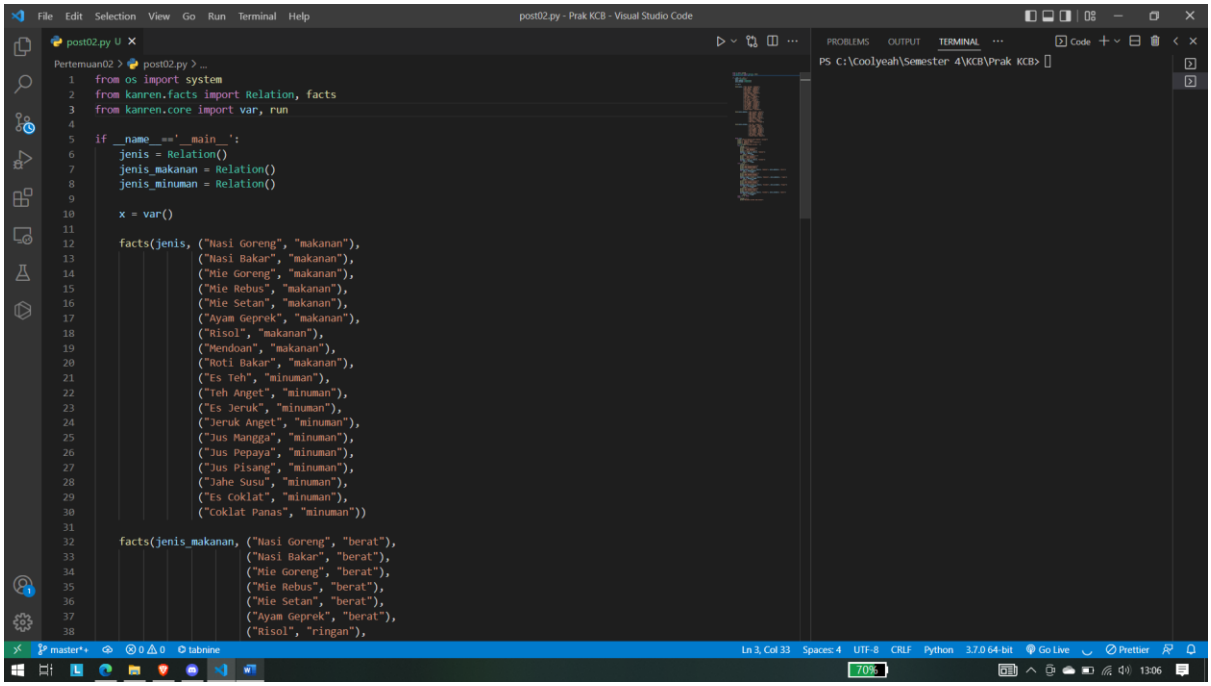
NIM : 2000018277

Slot : Sabtu 07.30

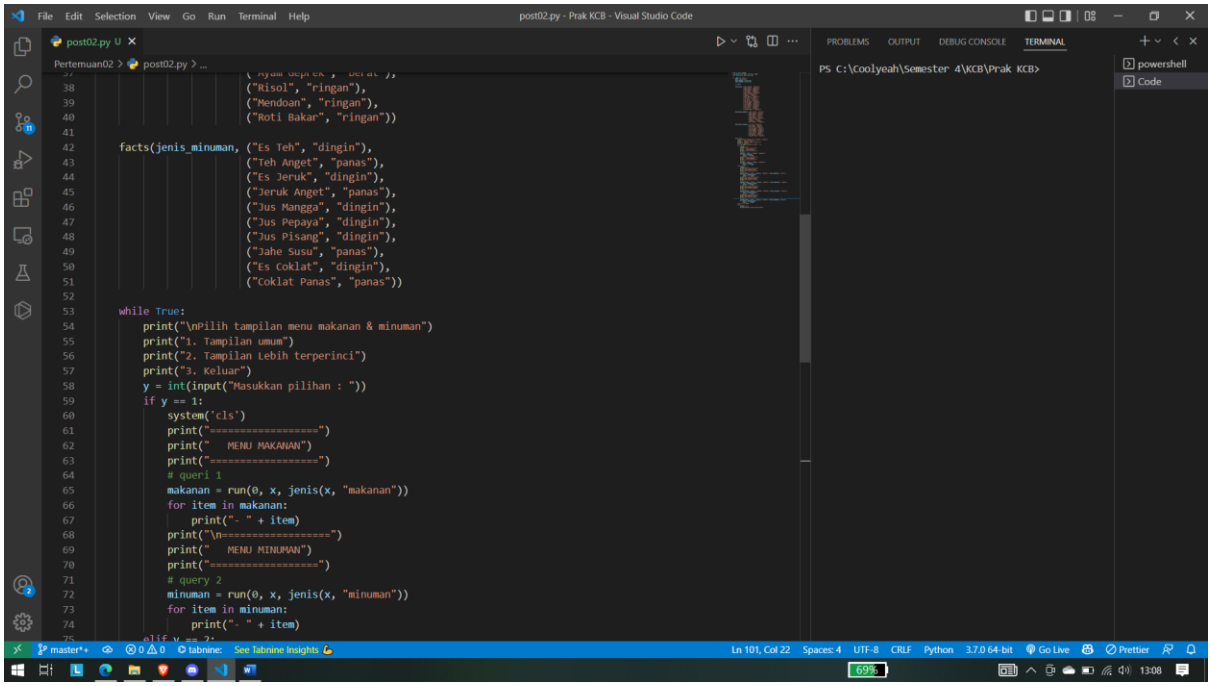
POST TEST 2 PRAKTIKUM KECERDASAN BUATAN

Lakukan modifikasi untuk membuat menu sederhana pemilihan menu makan di sebuah restoran.

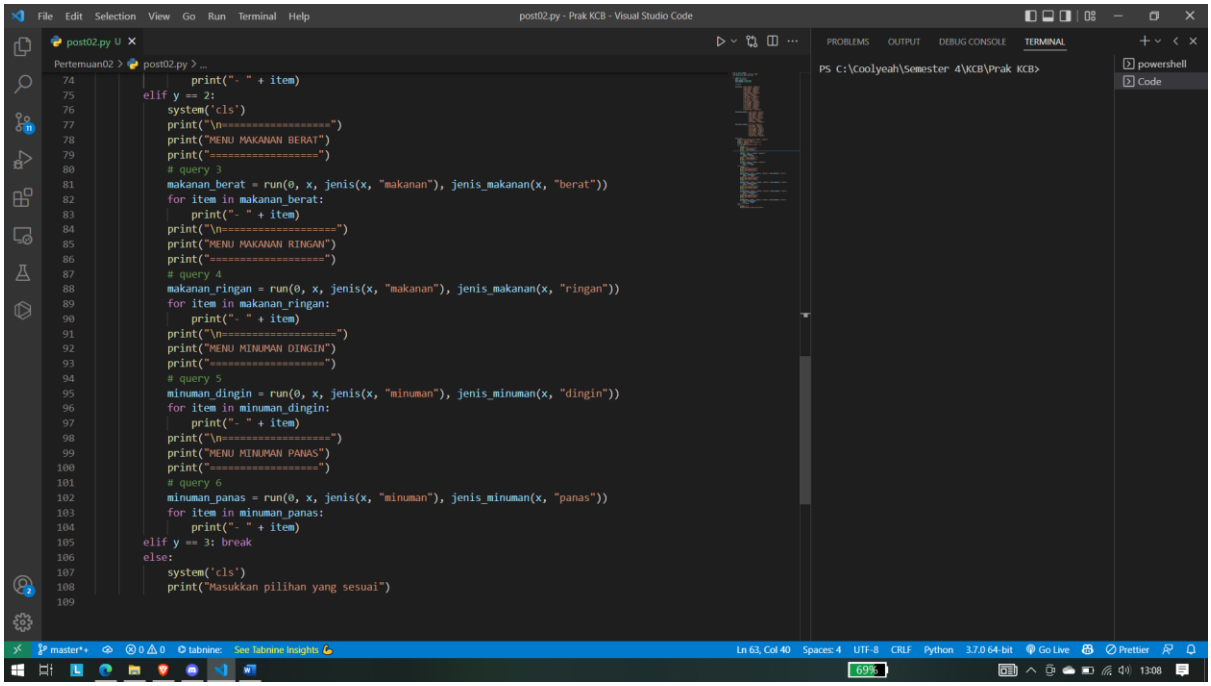
Kode program



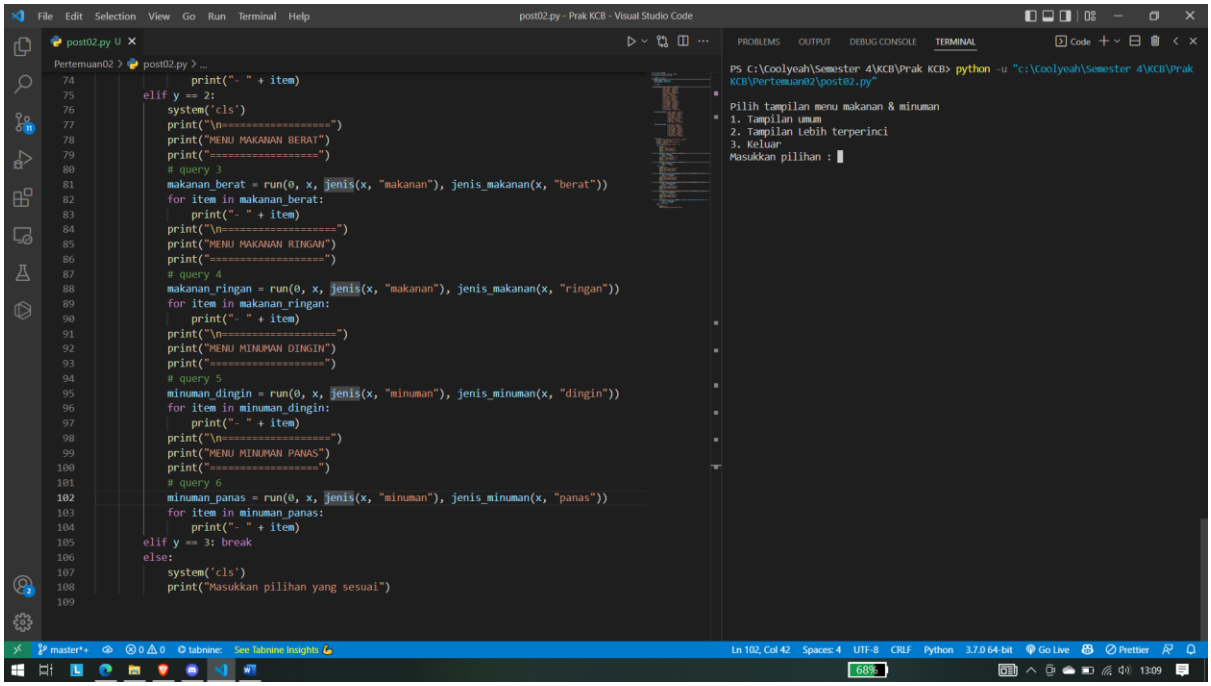
```
from os import system
from kanren.facts import Relation, facts
from kanren.core import var, run

if __name__=='__main__':
    jenis = Relation()
    jenis_makanan = Relation()
    jenis_minuman = Relation()

    x = var()

    facts(jenis, ("Nasi Goreng", "makanan"),
                 ("Nasi Bakar", "makanan"),
                 ("Mie Goreng", "makanan"),
                 ("Mie Rebus", "makanan"),
                 ("Mie Setan", "makanan"),
                 ("Ayam Geprek", "makanan"),
                 ("Risol", "makanan"),
                 ("Mendoan", "makanan"),
                 ("Roti Bakar", "makanan"),
                 ("Es Teh", "minuman"),
                 ("Teh Anget", "minuman"),
                 ("Es Jeruk", "minuman"),
                 ("Jeruk Anget", "minuman"),
                 ("Jus Mangga", "minuman"),
                 ("Jus Pepaya", "minuman"),
                 ("Jus Pisang", "minuman"),
                 ("Jahe Susu", "minuman"),
                 ("Es Coklat", "minuman"),
                 ("Coklat Panas", "minuman"))

    facts(jenis_makanan, ("Nasi Goreng", "berat"),
                         ("Nasi Bakar", "berat"),
                         ("Mie Goreng", "berat"),
                         ("Mie Rebus", "berat"),
                         ("Mie Setan", "berat"),
                         ("Ayam Geprek", "berat"),
                         ("Risol", "ringan"),
```



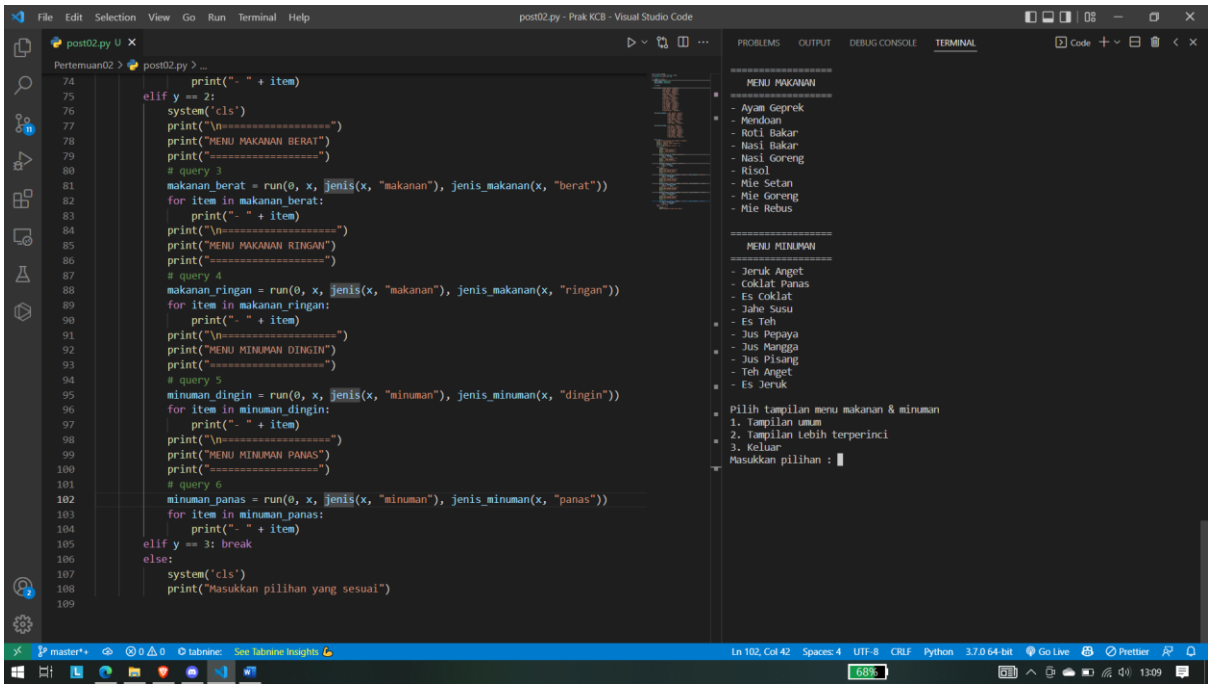
```
                         ("Risol", "ringan"),
                         ("Mendoan", "ringan"),
                         ("Roti Bakar", "ringan"))

    facts(jenis_minuman, ("Es Teh", "dingin"),
                         ("Teh Anget", "panas"),
                         ("Es Jeruk", "dingin"),
                         ("Jeruk Anget", "panas"),
                         ("Jus Mangga", "dingin"),
                         ("Jus Pepaya", "dingin"),
                         ("Jus Pisang", "dingin"),
                         ("Jahe Susu", "panas"),
                         ("Es Coklat", "dingin"),
                         ("Coklat Panas", "panas"))

    while True:
        print("\nPilih tampilan menu makanan & minuman")
        print("1. Tampilan umum")
        print("2. Tampilan Lebih terperinci")
        print("3. Keluar")
        y = int(input("Masukkan pilihan : "))
        if y == 1:
            system('cls')
            print("=================")
            print("   MENU MAKANAN")
            print("=================")
            # queri 1
            makanan = run(0, x, jenis(x, "makanan"))
            for item in makanan:
                print("- " + item)
            print("\n=================")
            print("   MENU MINUMAN")
            print("=================")
            # query 2
            minuman = run(0, x, jenis(x, "minuman"))
            for item in minuman:
                print("- " + item)
```


File Edit Selection View Go Run Terminal Help
post02.py - Prak KCB - Visual Studio Code
post02.py U
Pertemuan02 > post02.py > ...
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
PS C:\Coolyeah\Semester 4\KCB\Prak KCB>
powershell
Code
print("- " + item)
elif y == 2:
system('cls')
print("\n==================")
print("MENU MAKANAN BERAT")
print("==================")
# query 3
makanan_berat = run(0, x, jenis(x, "makanan"), jenis_makanan(x, "berat"))
for item in makanan_berat:
print("- " + item)
print("\n==================")
print("MENU MAKANAN RINGAN")
print("==================")
# query 4
makanan_ringan = run(0, x, jenis(x, "makanan"), jenis_makanan(x, "ringan"))
for item in makanan_ringan:
print("- " + item)
print("\n==================")
print("MENU MINUMAN DINGIN")
print("==================")
# query 5
minuman_dingin = run(0, x, jenis(x, "minuman"), jenis_minuman(x, "dingin"))
for item in minuman_dingin:
print("- " + item)
print("\n==================")
print("MENU MINUMAN PANAS")
print("==================")
# query 6
minuman_panas = run(0, x, jenis(x, "minuman"), jenis_minuman(x, "panas"))
for item in minuman_panas:
print("- " + item)
elif y == 3: break
else:
system('cls')
print("Masukkan pilihan yang sesuai")
master*+ tabnine: See Tabnine Insights
Ln 63, Col 40 Spaces: 4 UTF-8 CRLF Python 3.7.0 64-bit Go Live Prettier
69%
13:08

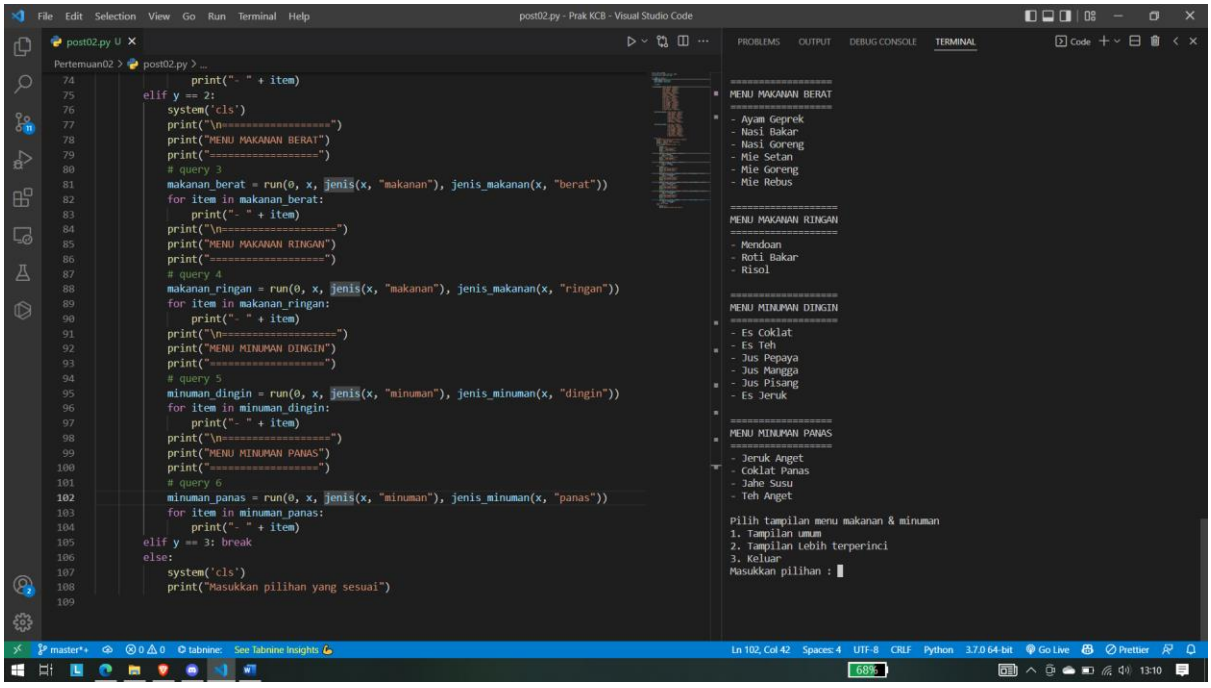
Run program


File Edit Selection View Go Run Terminal Help
post02.py - Prak KCB - Visual Studio Code
post02.py U
Pertemuan02 > post02.py > ...
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
Code
PS C:\Coolyeah\Semester 4\KCB\Prak KCB> python -u "c:\Coolyeah\Semester 4\KCB\Prak KCB\Pertemuan02\post02.py"
Pilih tampilan menu makanan & minuman
1. Tampilan umum
2. Tampilan Lebih terperinci
3. Keluar
Masukkan pilihan :
print("- " + item)
elif y == 2:
system('cls')
print("\n==================")
print("MENU MAKANAN BERAT")
print("==================")
# query 3
makanan_berat = run(0, x, jenis(x, "makanan"), jenis_makanan(x, "berat"))
for item in makanan_berat:
print("- " + item)
print("\n==================")
print("MENU MAKANAN RINGAN")
print("==================")
# query 4
makanan_ringan = run(0, x, jenis(x, "makanan"), jenis_makanan(x, "ringan"))
for item in makanan_ringan:
print("- " + item)
print("\n==================")
print("MENU MINUMAN DINGIN")
print("==================")
# query 5
minuman_dingin = run(0, x, jenis(x, "minuman"), jenis_minuman(x, "dingin"))
for item in minuman_dingin:
print("- " + item)
print("\n==================")
print("MENU MINUMAN PANAS")
print("==================")
# query 6
minuman_panas = run(0, x, jenis(x, "minuman"), jenis_minuman(x, "panas"))
for item in minuman_panas:
print("- " + item)
elif y == 3: break
else:
system('cls')
print("Masukkan pilihan yang sesuai")
master*+ tabnine: See Tabnine Insights
Ln 102, Col 42 Spaces: 4 UTF-8 CRLF Python 3.7.0 64-bit Go Live Prettier
68%
13:09

Inputkan angka 1 maka akan ditampilkan menu akan dibagi menjadi 2 yaitu makanan dan minuman.



Inputkan angka 2 maka akan ditampilkan menu yang dibagi menjadi 4, yaitu makanan berat, makanan ringan, minuman dingin, dan minuman panas.



Ketika menginputkan selain angka 1, 2, dan 3 maka akan ditampilkan kalimat “Masukkan pilihan yang sesuai. Kemudian masukkan angka 3 untuk keluar dari program.