

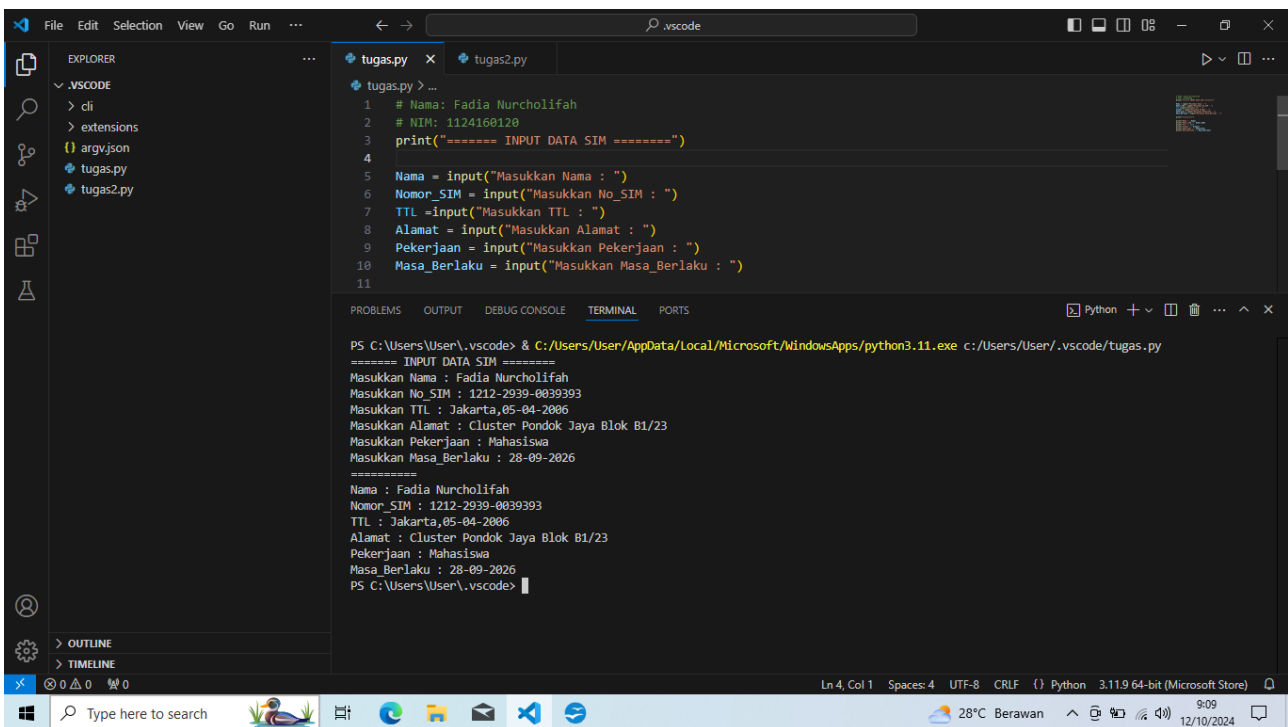
1. Buatlah program untuk melakukan input data SIM dan menampilkannya di program, isi SIM sesuai dengan SIM Anda, Tampilkan hasilnya!

```
# Nama: Fadia Nurcholifah
# NIM: 1124160120
print("===== INPUT DATA SIM =====")

Nama = input("Masukkan Nama : ")
Nomor_SIM = input("Masukkan No_SIM : ")
TTL = input("Masukkan TTL : ")
Alamat = input("Masukkan Alamat : ")
Pekerjaan = input("Masukkan Pekerjaan : ")
Masa_Berlaku = input("Masukkan Masa_Berlaku : ")

print("=====")

print("Nama :", Nama)
print("Nomor_SIM :", Nomor_SIM)
print("TTL :", TTL)
print("Alamat :", Alamat)
print("Pekerjaan :", Pekerjaan)
print("Masa_Berlaku :", Masa_Berlaku)
```



The screenshot shows the Visual Studio Code (VS Code) interface. The Explorer panel on the left shows the file structure with a project named '.VS_CODE' containing files like 'cli', 'extensions', 'argv.json', 'tugas.py', and 'tugas2.py'. The main editor window displays the 'tugas.py' file, which contains the Python code from the previous block. The Terminal panel at the bottom shows the command prompt output of running the script: 'PS C:\Users\User\.vscode> & C:/Users/User/AppData/Local/Microsoft/WindowsApps/python3.11.exe c:/Users/User/.vscode/tugas.py'. The output shows the program's execution, including the input prompts and the user's responses, followed by the formatted output of the data.

```
PS C:\Users\User\.vscode> & C:/Users/User/AppData/Local/Microsoft/WindowsApps/python3.11.exe c:/Users/User/.vscode/tugas.py
===== INPUT DATA SIM =====
Masukkan Nama : Fadia Nurcholifah
Masukkan No_SIM : 1212-2939-0039393
Masukkan TTL : Jakarta,05-04-2006
Masukkan Alamat : Cluster Pondok Jaya Blok B1/23
Masukkan Pekerjaan : Mahasiswa
Masukkan Masa_Berlaku : 28-09-2026
=====
Nama : Fadia Nurcholifah
Nomor_SIM : 1212-2939-0039393
TTL : Jakarta,05-04-2006
Alamat : Cluster Pondok Jaya Blok B1/23
Pekerjaan : Mahasiswa
Masa_Berlaku : 28-09-2026
PS C:\Users\User\.vscode>
```

2. Buatlah program untuk menampilkan Nama Pembeli, Nama Barang, Jumlah Beli, Harga Satuan dan Total Harga Pembelian, dimana total harga pembelian berdasarkan ketentuan:

- > Bila total penjualan diatas 500.000 maka mendapat diskon 30% dari total
- > Bila total penjualan lebih dari 300.000 maka mendapat diskon 20% dari total
- > Bila total penjualan lebih dari 100.000 maka mendapat diskon 10% dari total

```
# Nama: Fadia Nurcholifah
```

```
# NIM: 1124160120
```

```
print("===== TOKO MAMA FADIA =====")
```

```
Nama_Pembeli=input("Masukkan Nama Pembeli : ")
```

```
Nama_Barang=input("Masukkan Nama Barang : ")
```

```
def total(harga,jumlah):
```

```
    """fungsi untuk menghitung Total bayar"""
```

```
    return harga*jumlah
```

```
#input data
```

```
jumlah=int(input("Masukkan Jumlah Barang : "))
```

```
harga=int(input("Masukkan Harga Barang : "))
```

```
Total=total(harga,jumlah)
```

```
if Total>500000:
```

```
    Total=Total-0.3*Total
```

```
elif Total>300000:
```

```
    Total=Total-0.2*Total
```

```
elif Total>100000:
```

```
    Total=Total-0.1*Total
```

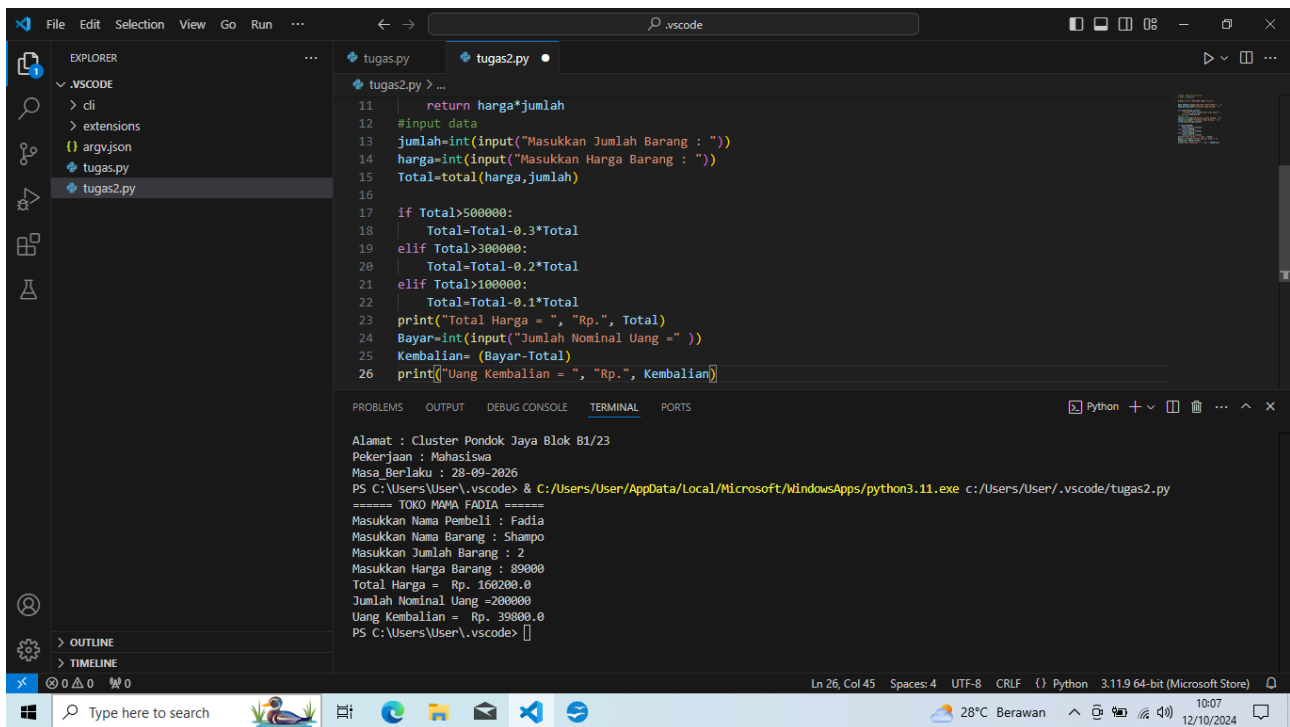
```
print("Total Harga = ", "Rp.", Total)
```

```
Bayar=int(input("Jumlah Nominal Uang =" ))
```

```
Kembalian= (Bayar-Total)
```

```
print("Uang Kembalian = ", "Rp.", Kembalian)
```

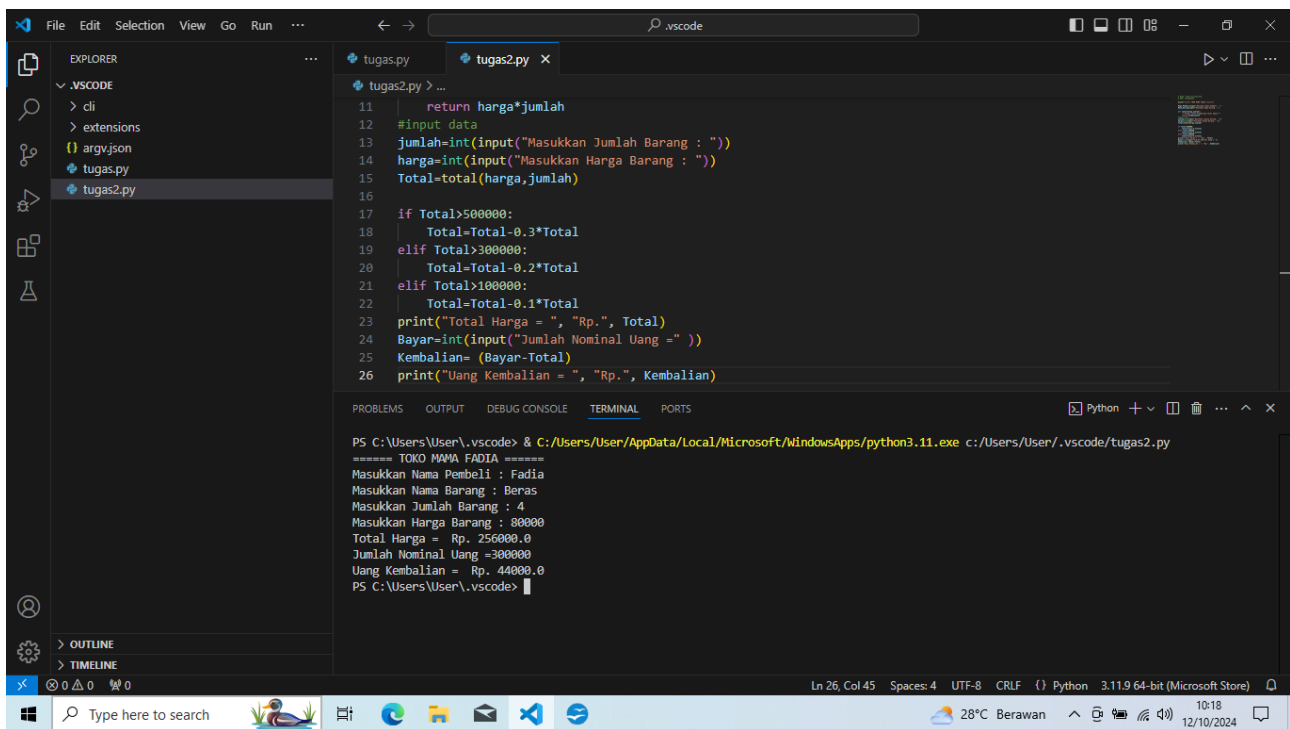
➤ Bila total penjualan lebih dari 100.000 maka mendapat diskon 10% dari total



The screenshot shows the Visual Studio Code interface with a Python file named `tugas2.py` open. The code implements a discount logic based on the total price. The terminal output shows the program execution with the following details:

```
Alamat : Cluster Pondok Jaya Blok B1/23
Pekerjaan : Mahasiswa
Masa Berlaku : 28-09-2026
PS C:\Users\User\.vscode> & C:/Users/User/AppData/Local/Microsoft/WindowsApps/python3.11.exe c:/Users/User/.vscode/tugas2.py
===== TOKO MAMA FADIA =====
Masukkan Nama Pembeli : Fadia
Masukkan Nama Barang : Shampoo
Masukkan Jumlah Barang : 2
Masukkan Harga Barang : 80000
Total Harga = Rp. 160000.0
Jumlah Nominal Uang = 200000
Uang Kembalian = Rp. 39000.0
PS C:\Users\User\.vscode> []
```

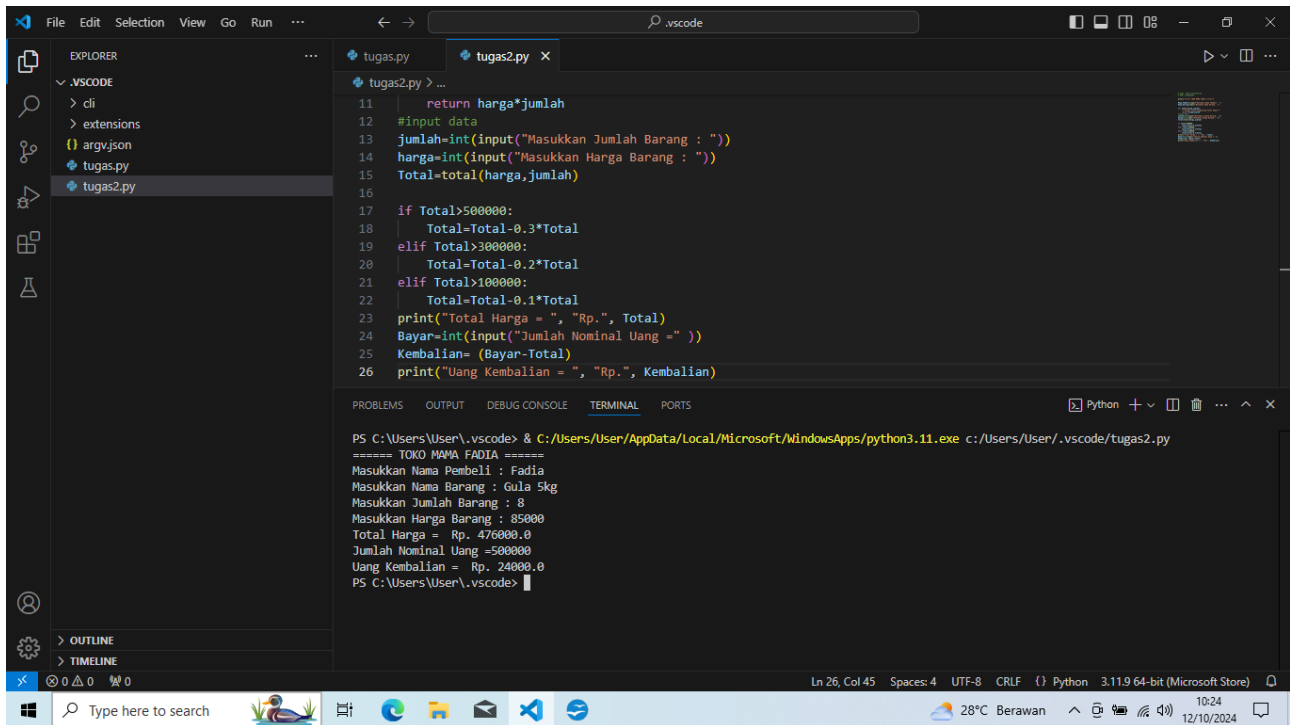
➤ Bila total penjualan lebih dari 300.000 maka mendapat diskon 20% dari total



The screenshot shows the Visual Studio Code interface with the same `tugas2.py` file. The terminal output shows the program execution with the following details:

```
PS C:\Users\User\.vscode> & C:/Users/User/AppData/Local/Microsoft/WindowsApps/python3.11.exe c:/Users/User/.vscode/tugas2.py
===== TOKO MAMA FADIA =====
Masukkan Nama Pembeli : Fadia
Masukkan Nama Barang : Beras
Masukkan Jumlah Barang : 4
Masukkan Harga Barang : 80000
Total Harga = Rp. 256000.0
Jumlah Nominal Uang = 300000
Uang Kembalian = Rp. 44000.0
PS C:\Users\User\.vscode> []
```

► Bila total penjualan diatas 500.000 maka mendapat diskon 30% dari total



The screenshot shows a VS Code editor with a file named `tugas2.py`. The code is a Python script for a shopping application. It takes inputs for item name, quantity, and price, calculates the total, and applies a discount based on the total value. The terminal output shows the program being executed with sample data.

```
11 |     return harga*jumlah
12 | #input data
13 | jumlah=int(input("Masukkan Jumlah Barang : "))
14 | harga=int(input("Masukkan Harga Barang : "))
15 | Total=total(harga,jumlah)
16 |
17 | if Total>500000:
18 |     Total=Total-0.3*Total
19 | elif Total>300000:
20 |     Total=Total-0.2*Total
21 | elif Total>100000:
22 |     Total=Total-0.1*Total
23 | print("Total Harga = ", "Rp.", Total)
24 | Bayar=int(input("Jumlah Nominal Uang = " ))
25 | Kembalian= (Bayar-Total)
26 | print("Uang Kembalian = ", "Rp.", Kembalian)
```

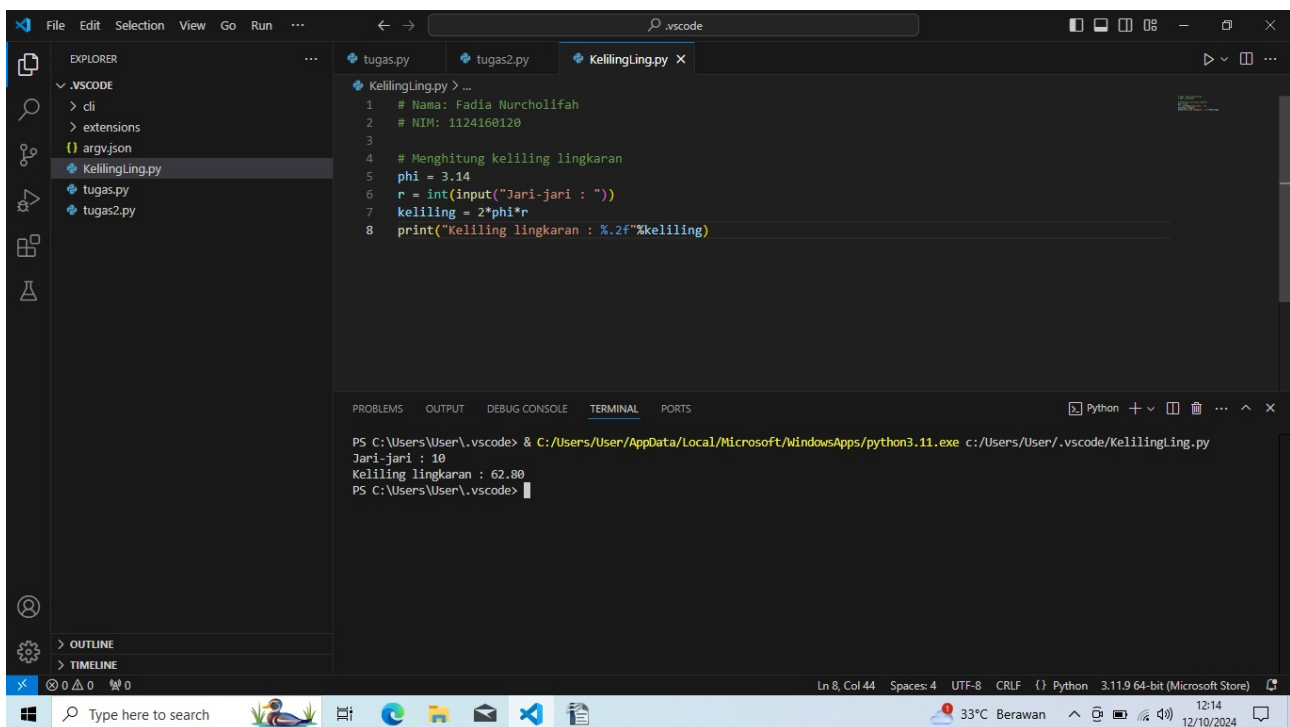
Terminal Output:

```
PS C:\Users\User\.vscode> & C:/Users/User/AppData/Local/Microsoft/WindowsApps/python3.11.exe c:/Users/User/.vscode/tugas2.py
===== TOKO MAMA FADIA =====
Masukkan Nama Pembeli : Fadia
Masukkan Nama Barang : Gula 5kg
Masukkan Jumlah Barang : 8
Masukkan Harga Barang : 85000
Total Harga = Rp. 470000.0
Jumlah Nominal Uang =500000
Uang Kembalian = Rp. 24000.0
PS C:\Users\User\.vscode>
```

3.Buatlah program dengan mekanisme fungsi untuk menghitung

- a. Keliling Lingkaran
- b. Luas Balok
- c. Luas Trapesium
- d. Luas Jajar Genjang

a. Keliling Lingkaran



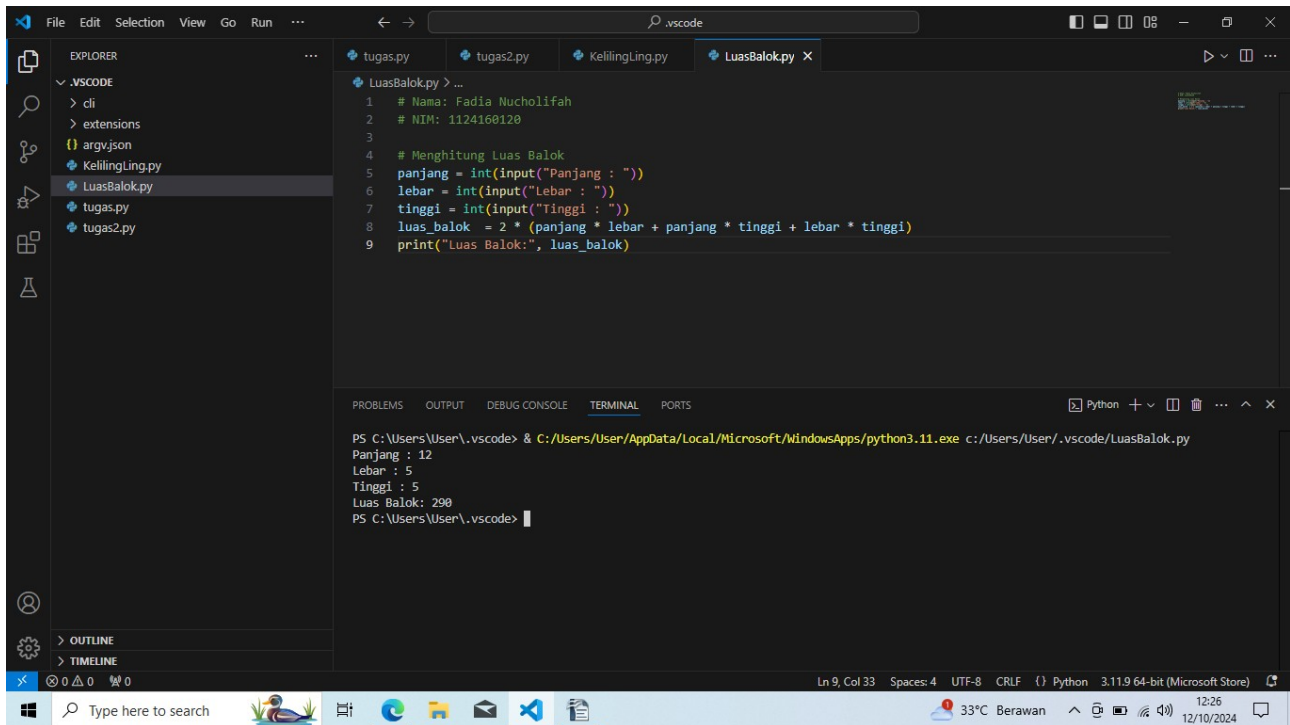
The screenshot shows a VS Code editor with a file named `KelilingLing.py`. The code is a Python script that calculates the circumference of a circle based on the radius input by the user. The terminal output shows the program being executed with a radius of 10.

```
1 | # Nama: Fadia Nurchollifah
2 | # NIM: 1124160120
3 |
4 | # Menghitung keliling lingkaran
5 | phi = 3.14
6 | r = int(input("Jari-jari : "))
7 | keliling = 2*phi*r
8 | print("Keliling lingkaran : %.2f"%keliling)
```

Terminal Output:

```
PS C:\Users\User\.vscode> & C:/Users/User/AppData/Local/Microsoft/WindowsApps/python3.11.exe c:/Users/User/.vscode/KelilingLing.py
Jari-jari : 10
Keliling lingkaran : 62.80
PS C:\Users\User\.vscode>
```

b. Luas Balok

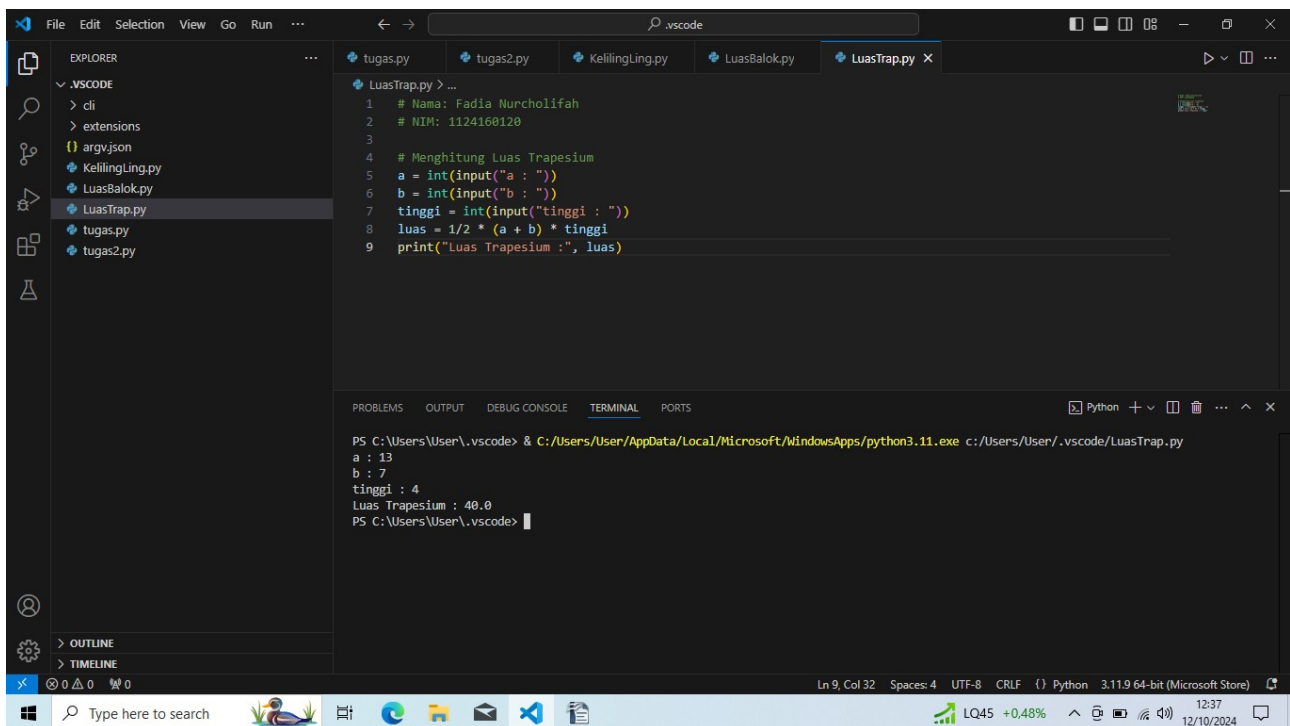


The screenshot shows the Visual Studio Code editor with a file explorer on the left containing files like `LuasBalok.py`, `tugas.py`, and `tugas2.py`. The main editor displays the code for `LuasBalok.py`, which prompts the user for dimensions and calculates the volume. The terminal at the bottom shows the command to run the script and the resulting output.

```
1 # Nama: Fadia Nucholifah
2 # NIM: 1124160120
3
4 # Menghitung Luas Balok
5 panjang = int(input("Panjang : "))
6 lebar = int(input("Lebar : "))
7 tinggi = int(input("Tinggi : "))
8 luas_balok = 2 * (panjang * lebar + panjang * tinggi + lebar * tinggi)
9 print("Luas Balok:", luas_balok)
```

```
PS C:\Users\User\.vscode> & C:/Users/User/AppData/Local/Microsoft/WindowsApps/python3.11.exe c:/Users/User/.vscode/LuasBalok.py
Panjang : 12
Lebar : 5
Tinggi : 5
Luas Balok: 290
PS C:\Users\User\.vscode>
```

3. Luas Trapesium

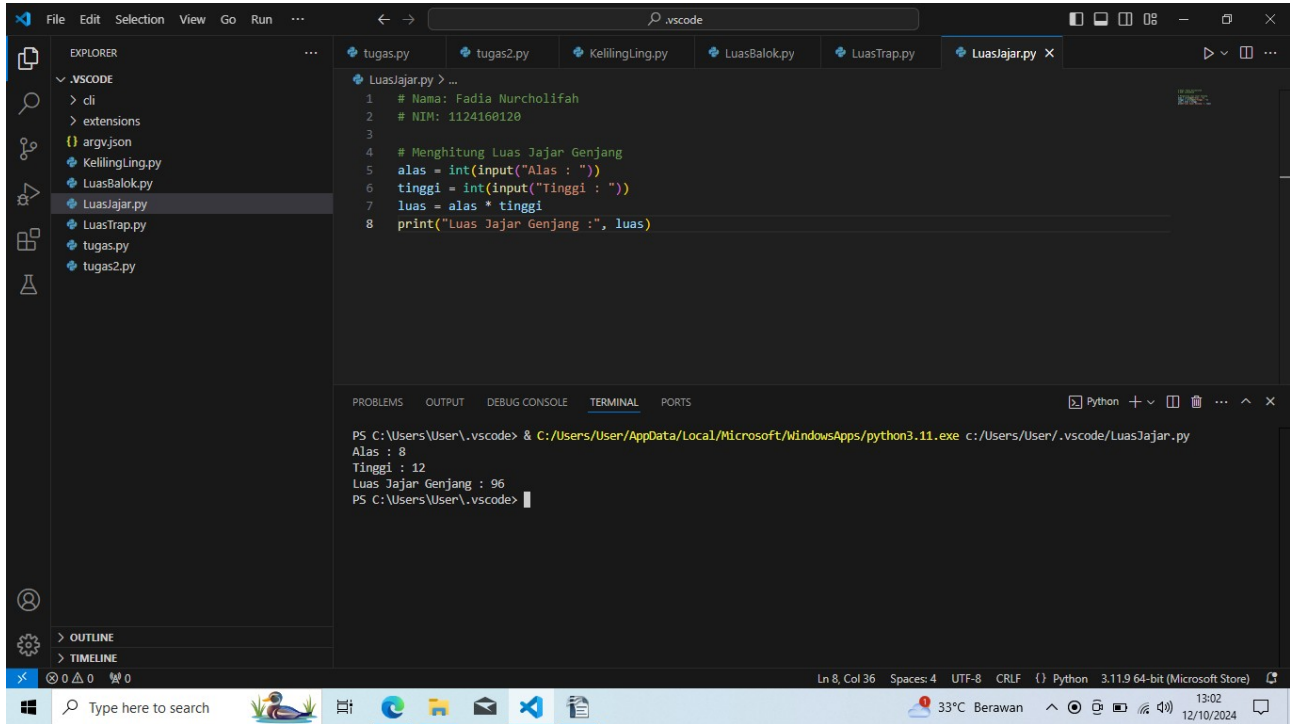


The screenshot shows the Visual Studio Code editor with a file explorer on the left containing files like `LuasTrap.py`, `LuasBalok.py`, `tugas.py`, and `tugas2.py`. The main editor displays the code for `LuasTrap.py`, which prompts the user for the parallel sides and height, then calculates the area. The terminal at the bottom shows the command to run the script and the resulting output.

```
1 # Nama: Fadia Nurcholifah
2 # NIM: 1124160120
3
4 # Menghitung Luas Trapesium
5 a = int(input("a : "))
6 b = int(input("b : "))
7 tinggi = int(input("tinggi : "))
8 luas = 1/2 * (a + b) * tinggi
9 print("Luas Trapesium :", luas)
```

```
PS C:\Users\User\.vscode> & C:/Users/User/AppData/Local/Microsoft/WindowsApps/python3.11.exe c:/Users/User/.vscode/LuasTrap.py
a : 13
b : 7
tinggi : 4
Luas Trapesium : 40.0
PS C:\Users\User\.vscode>
```

d.Luas Jajar Genjang



The image shows a screenshot of the Visual Studio Code (VS Code) editor interface. The Explorer panel on the left shows a project named ".VS CODE" with several files: "cli", "extensions", "argv.json", "KellingLing.py", "LuasBalok.py", "LuasJajar.py" (selected), "LuasTrap.py", "tugas.py", and "tugas2.py". The main editor window displays the code for "LuasJajar.py". The code is as follows:

```
1 # Nama: Fadia Nurcholifah
2 # NIM: 1124160120
3
4 # Menghitung Luas Jajar Genjang
5 alas = int(input("Alas : "))
6 tinggi = int(input("Tinggi : "))
7 luas = alas * tinggi
8 print("Luas Jajar Genjang :", luas)
```

Below the editor, the TERMINAL panel shows the command prompt output:

```
PS C:\Users\User\.vscode> & C:/Users/User/AppData/Local/Microsoft/WindowsApps/python3.11.exe c:/Users/User/.vscode/LuasJajar.py
Alas : 8
Tinggi : 12
Luas Jajar Genjang : 96
PS C:\Users\User\.vscode>
```

The status bar at the bottom indicates the current line and column (Ln 8, Col 36), the number of spaces (4), the encoding (UTF-8), the line ending (CRLF), the language (Python), and the Python version (3.11.9 64-bit (Microsoft Store)). The Windows taskbar at the very bottom shows the search bar, taskbar icons, and system tray information (33°C Berawan, 13:02, 12/10/2024).