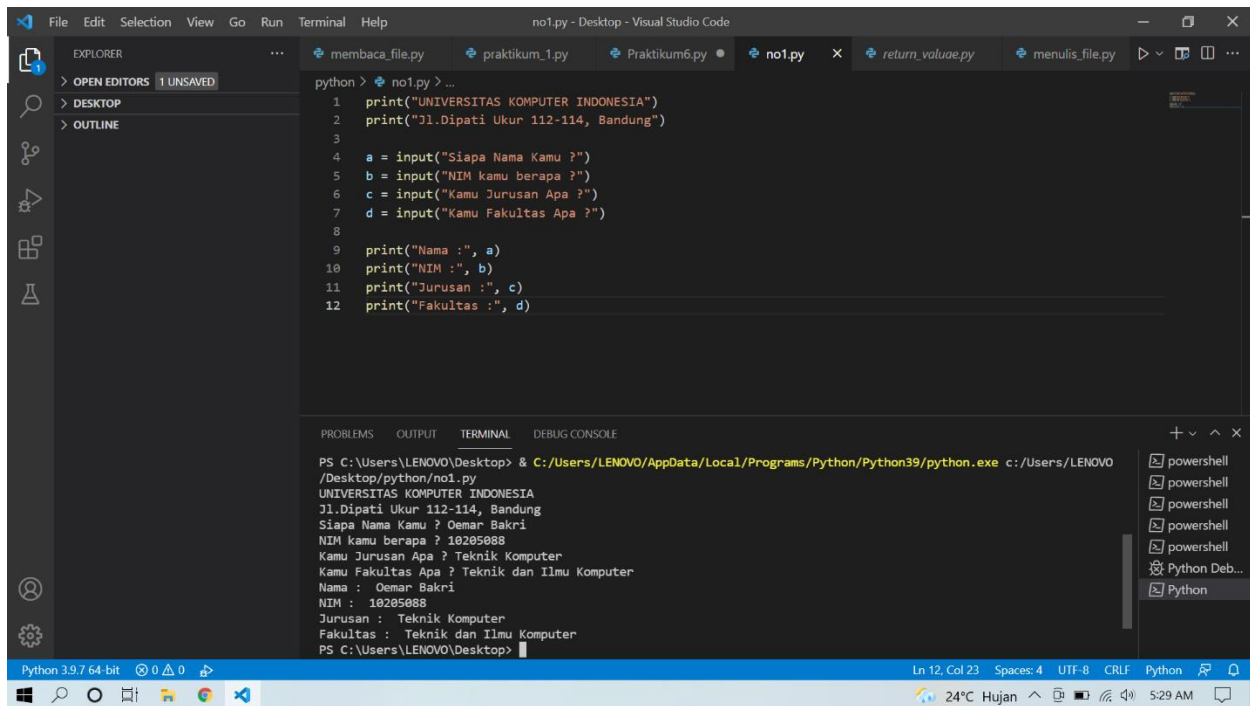


Nama : Ambar Wati
NIM : 20.01.013.001
Kelas : Teknik Informatika (A)
Mata Kuliah : Kecerdasan Buatan (AI)

4.9 praktikum



The screenshot shows the Visual Studio Code interface with a Python file named `no1.py` open. The code in the editor is as follows:

```
python > no1.py > ...
1 print("UNIVERSITAS KOMPUTER INDONESIA")
2 print("Jl.Dipati Ukur 112-114, Bandung")
3
4 a = input("Siapa Nama Kamu ?")
5 b = input("NIM kamu berapa ?")
6 c = input("Kamu Jurusan Apa ?")
7 d = input("Kamu Fakultas Apa ?")
8
9 print("Nama :", a)
10 print("NIM :", b)
11 print("Jurusan :", c)
12 print("Fakultas :", d)
```

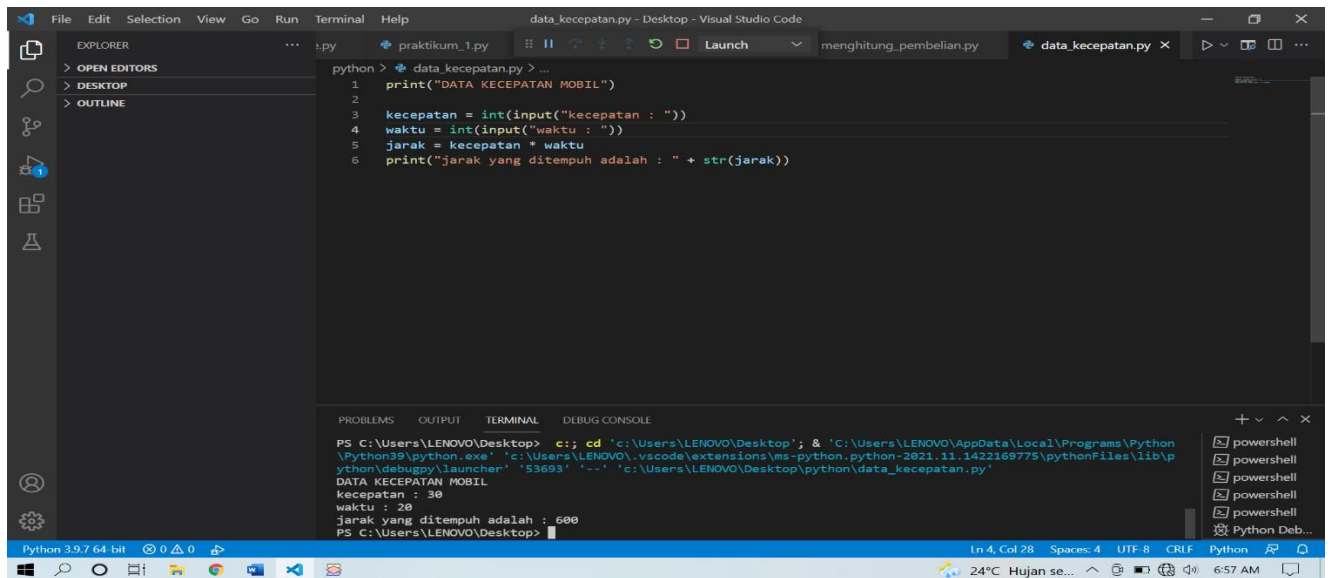
The terminal window at the bottom shows the execution of the script, with the following output:

```
PS C:\Users\LENOVO\Desktop> & C:/Users/LENOVO/AppData/Local/Programs/Python/Python39/python.exe c:/Users/LENOVO/Desktop/python/no1.py
UNIVERSITAS KOMPUTER INDONESIA
Jl.Dipati Ukur 112-114, Bandung
Siapa Nama Kamu ? Oemar Bakri
NIM kamu berapa ? 10205088
Kamu Jurusan Apa ? Teknik Komputer
Kamu Fakultas Apa ? Teknik dan Ilmu Komputer
Nama : Oemar Bakri
NIM : 10205088
Jurusan : Teknik Komputer
Fakultas : Teknik dan Ilmu Komputer
PS C:\Users\LENOVO\Desktop>
```

The status bar at the bottom indicates the file is `no1.py`, line 12, column 23, with 4 spaces, UTF-8 encoding, and CRLF line endings. The system tray shows the temperature is 24°C, it is raining, and the time is 5:29 AM.

4.10 praktikum

1. Data Kecepatan Mobil

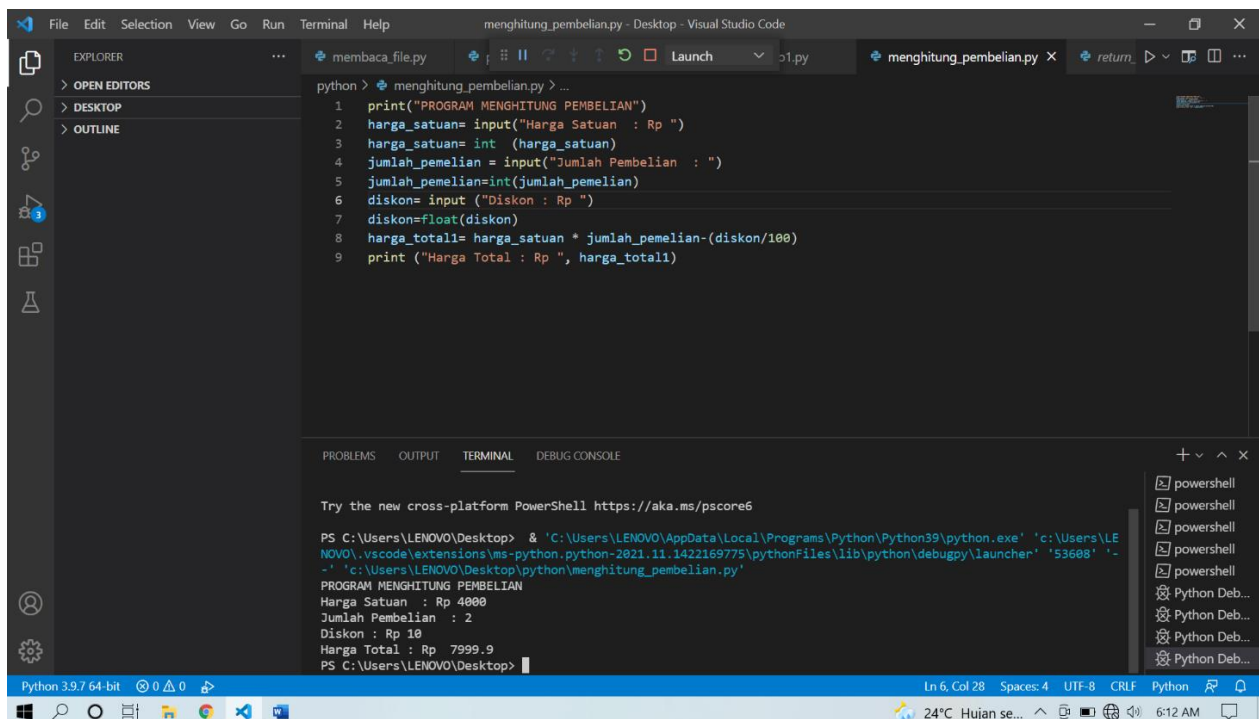


The screenshot shows the Visual Studio Code interface with a Python file named `data_kecepatan.py` open. The code prompts the user for speed and time, calculates the distance, and prints the result. The terminal shows the execution of the script with input values 30 for speed and 20 for time, resulting in a distance of 600.

```
python > data_kecepatan.py > ...
1 print("DATA KECEPATAN MOBIL")
2
3 kecepatan = int(input("kecepatan : "))
4 waktu = int(input("waktu : "))
5 jarak = kecepatan * waktu
6 print("jarak yang ditempuh adalah : " + str(jarak))
```

```
PS C:\Users\LENOVO\Desktop> cd 'c:\Users\LENOVO\Desktop'; & 'C:\Users\LENOVO\AppData\Local\Programs\Python\Python39\python.exe' 'c:\Users\LENOVO\.vscode\extensions\ms-python.python-2021.11.1422169775\pythonFiles\lib\python\debugpy\launcher' '53693' '--' 'c:\Users\LENOVO\Desktop\python\data_kecepatan.py'
DATA KECEPATAN MOBIL
kecepatan : 30
waktu : 20
jarak yang ditempuh adalah : 600
PS C:\Users\LENOVO\Desktop>
```

2. Program Menghitung Pembelian

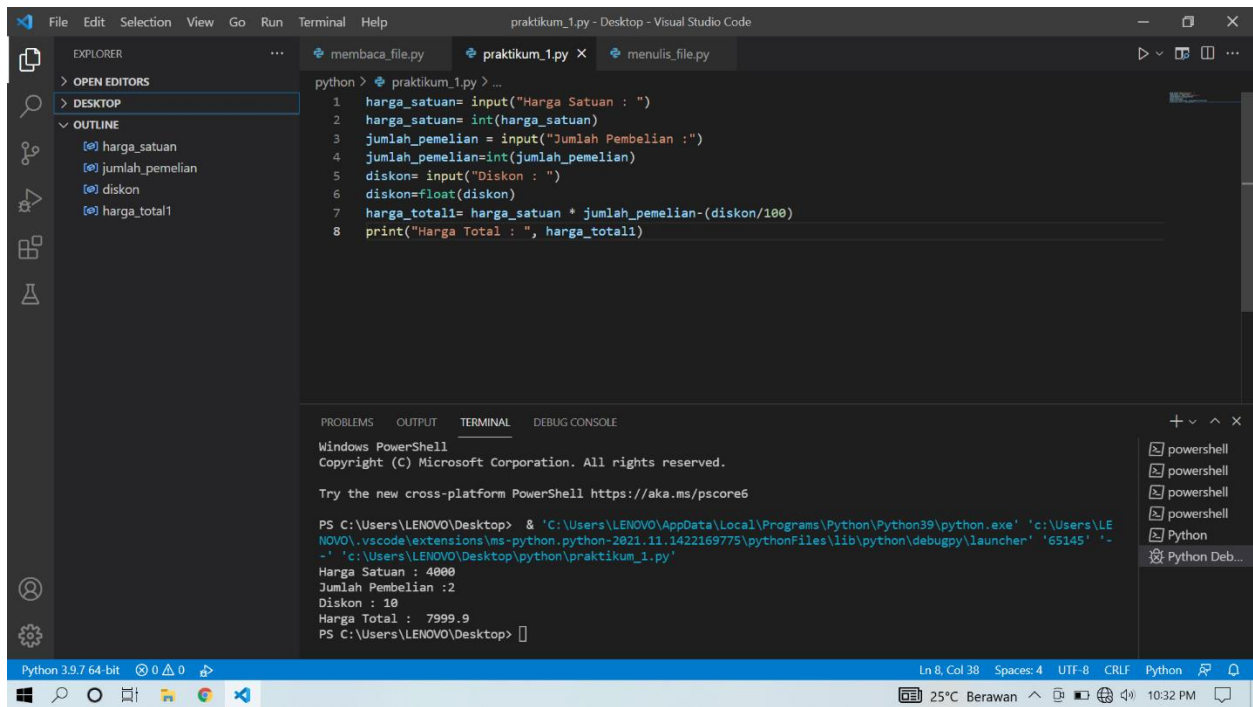


The screenshot shows the Visual Studio Code interface with a Python file named `menghitung_pembelian.py` open. The code prompts the user for unit price, quantity, and discount, calculates the total price after a 10% discount, and prints the result. The terminal shows the execution of the script with input values 4000 for unit price, 2 for quantity, and 10 for discount, resulting in a total price of 7999.9.

```
python > menghitung_pembelian.py > ...
1 print("PROGRAM MENGHITUNG PEMBELIAN")
2 harga_satuan= input("Harga Satuan : Rp ")
3 harga_satuan= int (harga_satuan)
4 jumlah_pembelian= input("Jumlah Pembelian : ")
5 jumlah_pembelian=int(jumlah_pembelian)
6 diskon= input ("Diskon : Rp ")
7 diskon=float(diskon)
8 harga_total1= harga_satuan * jumlah_pembelian-(diskon/100)
9 print ("Harga Total : Rp ", harga_total1)
```

```
PS C:\Users\LENOVO\Desktop> & 'C:\Users\LENOVO\AppData\Local\Programs\Python\Python39\python.exe' 'c:\Users\LENOVO\.vscode\extensions\ms-python.python-2021.11.1422169775\pythonFiles\lib\python\debugpy\launcher' '53688' '--' 'c:\Users\LENOVO\Desktop\python\menghitung_pembelian.py'
PROGRAM MENGHITUNG PEMBELIAN
Harga Satuan : Rp 4000
Jumlah Pembelian : 2
Diskon : Rp 10
Harga Total : Rp 7999.9
PS C:\Users\LENOVO\Desktop>
```

3. Menghitung program penjualan buku buku



```
File Edit Selection View Go Run Terminal Help praktikum_1.py - Desktop - Visual Studio Code

EXPLORER
> OPEN EDITORS
> DESKTOP
OUTLINE
[0] harga_satuan
[0] jumlah_pemelian
[0] diskon
[0] harga_total1

python > praktikum_1.py > ...
1 harga_satuan= input("Harga Satuan : ")
2 harga_satuan= int(harga_satuan)
3 jumlah_pemelian = input("Jumlah Pembelian :")
4 jumlah_pemelian=int(jumlah_pemelian)
5 diskon= input("Diskon : ")
6 diskon=float(diskon)
7 harga_total1= harga_satuan * jumlah_pemelian-(diskon/100)
8 print("Harga Total : ", harga_total1)

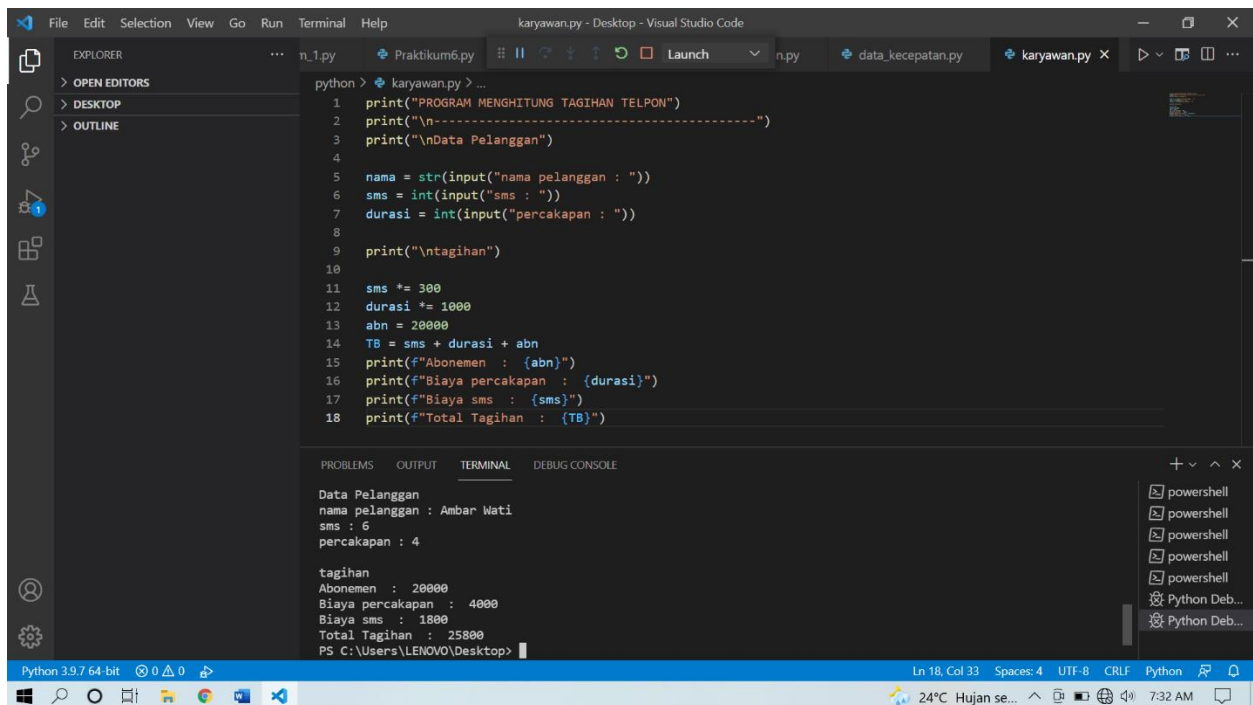
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\LENOVO\Desktop> & 'C:\Users\LENOVO\AppData\Local\Programs\Python\Python39\python.exe' 'c:\Users\LENOVO\.vscode\extensions\ms-python.python-2021.11.1422169775\pythonFiles\lib\python\debugpy\launcher' '65145' '-c:\Users\LENOVO\Desktop\python\praktikum_1.py'
Harga Satuan : 4000
Jumlah Pembelian :2
Diskon : 10
Harga Total : 7999.9
PS C:\Users\LENOVO\Desktop> []

Python 3.9.7 64-bit 0 0 0 Ln 8, Col 38 Spaces: 4 UTF-8 CRLF Python 10:32 PM
```

4. Program menghitung Tagihan Telpn



```
File Edit Selection View Go Run Terminal Help karyawan.py - Desktop - Visual Studio Code

EXPLORER
> OPEN EDITORS
> DESKTOP
OUTLINE

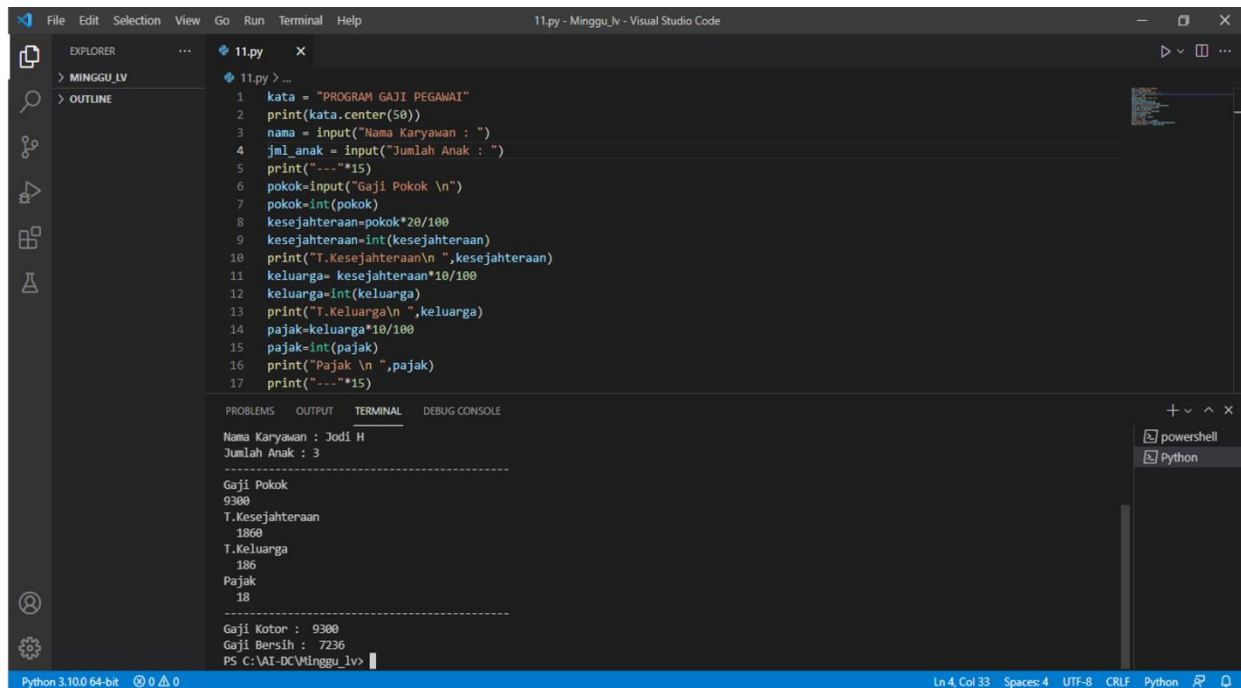
python > karyawan.py > ...
1 print("PROGRAM MENGHITUNG TAGIHAN TELPON")
2 print("\n-----")
3 print("\nData Pelanggan")
4
5 nama = str(input("nama pelanggan : "))
6 sms = int(input("sms : "))
7 durasi = int(input("percakapan : "))
8
9 print("\ntagihan")
10
11 sms *= 300
12 durasi *= 1000
13 abn = 20000
14 TB = sms + durasi + abn
15 print(f"Abonemen : {abn}")
16 print(f"Biaya percakapan : {durasi}")
17 print(f"Biaya sms : {sms}")
18 print(f"Total Tagihan : {TB}")

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
Data Pelanggan
nama pelanggan : Ambar Wati
sms : 6
percakapan : 4

tagihan
Abonemen : 20000
Biaya percakapan : 4000
Biaya sms : 1800
Total Tagihan : 25800
PS C:\Users\LENOVO\Desktop>

Python 3.9.7 64-bit 0 0 0 Ln 18, Col 33 Spaces: 4 UTF-8 CRLF Python 7:32 AM
```

5. Program gaji pegawai



The screenshot shows a Visual Studio Code window with a Python file named `11.py`. The code calculates an employee's salary based on their name, number of children, and gross salary. It then calculates the net salary by subtracting taxes and family allowances. The terminal output shows the results for an employee named Jodi H with 3 children and a gross salary of 9300.

```
1 kata = "PROGRAM GAJI PEGAWAI"
2 print(kata.center(50))
3 nama = input("Nama Karyawan : ")
4 jml_anak = input("Jumlah Anak : ")
5 print("---"*15)
6 pokok=input("Gaji Pokok \n")
7 pokok=int(pokok)
8 kesejahteraan=pokok*20/100
9 kesejahteraan=int(kesejahteraan)
10 print("T.Kesejahteraan\n ",kesejahteraan)
11 keluarga= kesejahteraan*10/100
12 keluarga=int(keluarga)
13 print("T.Keluarga\n ",keluarga)
14 pajak=keluarga*10/100
15 pajak=int(pajak)
16 print("Pajak \n ",pajak)
17 print("---"*15)
```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

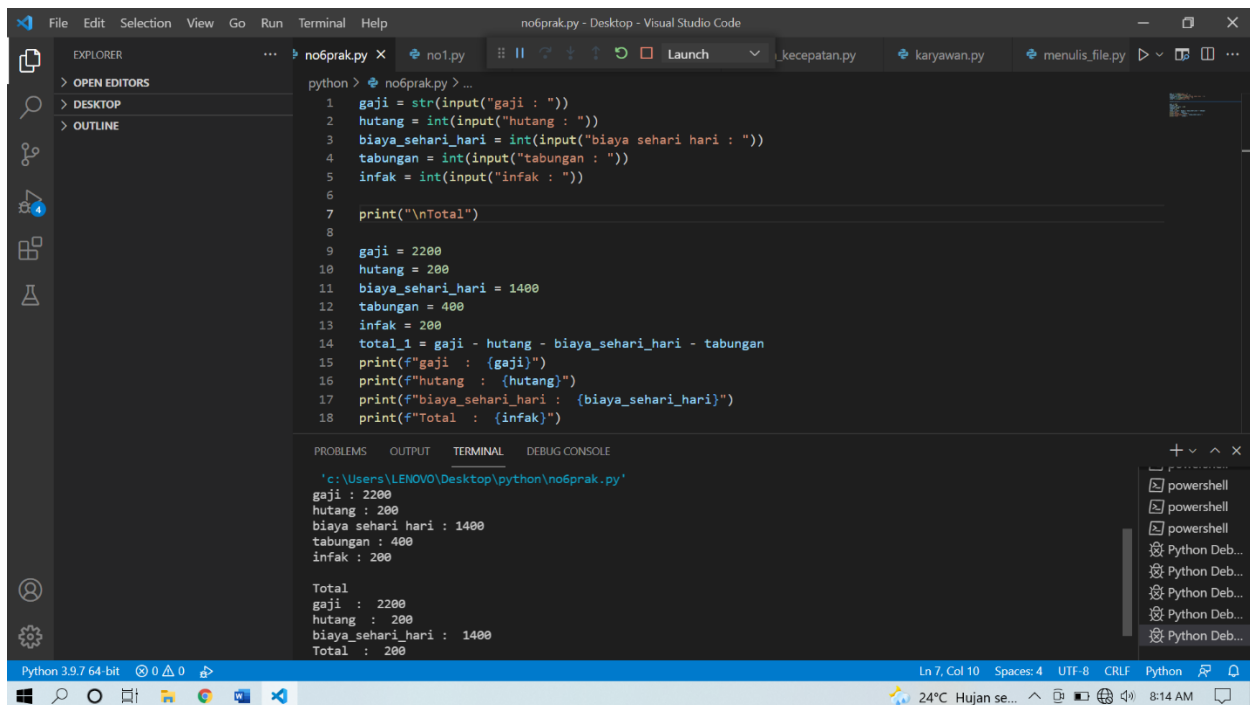
Nama Karyawan : Jodi H
Jumlah Anak : 3

Gaji Pokok
9300
T.Kesejahteraan
1860
T.Keluarga
186
Pajak
18

Gaji Kotor : 9300
Gaji Bersih : 7236
PS C:\VAI-DC\Minggu_lv>

Python 3.10.0 64-bit

7. pembagian keuangan



The screenshot shows a Visual Studio Code window with a Python file named `no6prak.py`. The code calculates the remaining amount after subtracting debts, daily expenses, and savings from a gross salary. The terminal output shows the results for a gross salary of 2200, with debts of 200, daily expenses of 1400, and savings of 400.

```
python> no6prak.py > ...
1 gaji = str(input("gaji : "))
2 hutang = int(input("hutang : "))
3 biaya_sehari_hari = int(input("biaya sehari hari : "))
4 tabungan = int(input("tabungan : "))
5 infak = int(input("infak : "))
6
7 print("\nTotal")
8
9 gaji = 2200
10 hutang = 200
11 biaya_sehari_hari = 1400
12 tabungan = 400
13 infak = 200
14 total_1 = gaji - hutang - biaya_sehari_hari - tabungan
15 print(f"gaji : {gaji}")
16 print(f"hutang : {hutang}")
17 print(f"biaya_sehari_hari : {biaya_sehari_hari}")
18 print(f"Total : {infak}")
```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

'c:\Users\LENOVO\Desktop\python\no6prak.py'

gaji : 2200
hutang : 200
biaya sehari hari : 1400
tabungan : 400
infak : 200

Total
gaji : 2200
hutang : 200
biaya_sehari_hari : 1400
Total : 200

Python 3.9.7 64-bit