

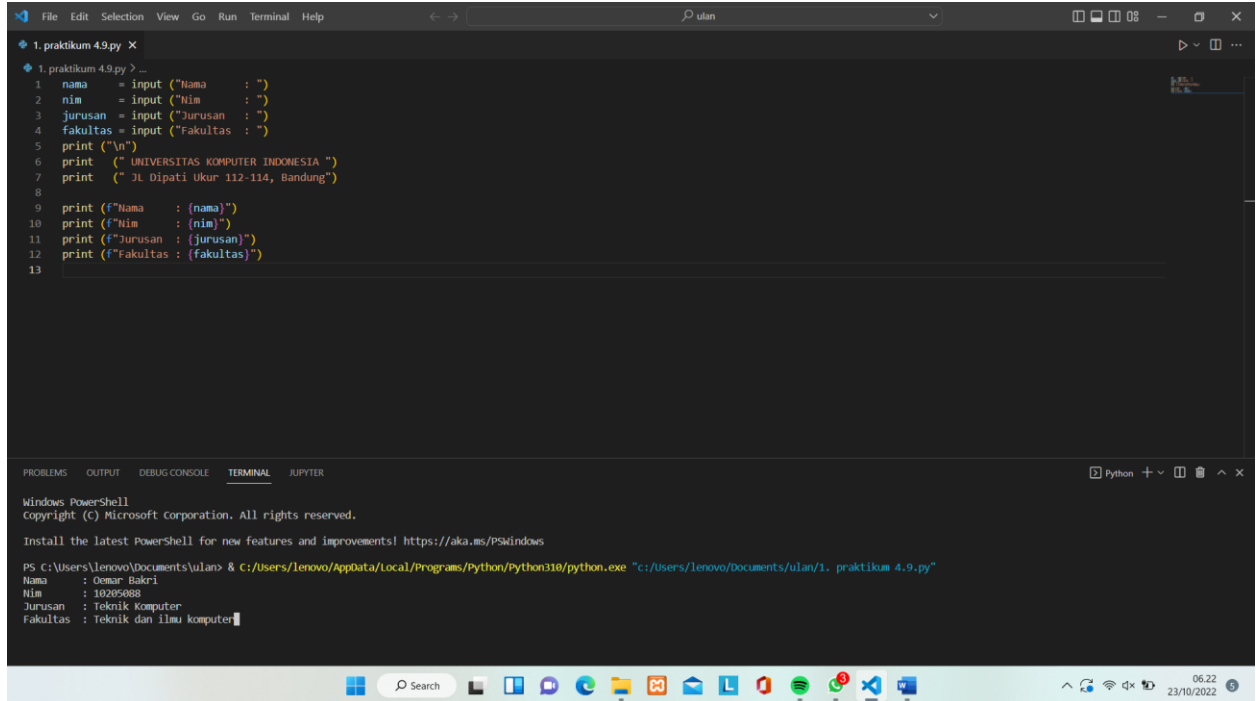
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Kelas : D

## Praktikum I

### 1. Praktikum 4.9



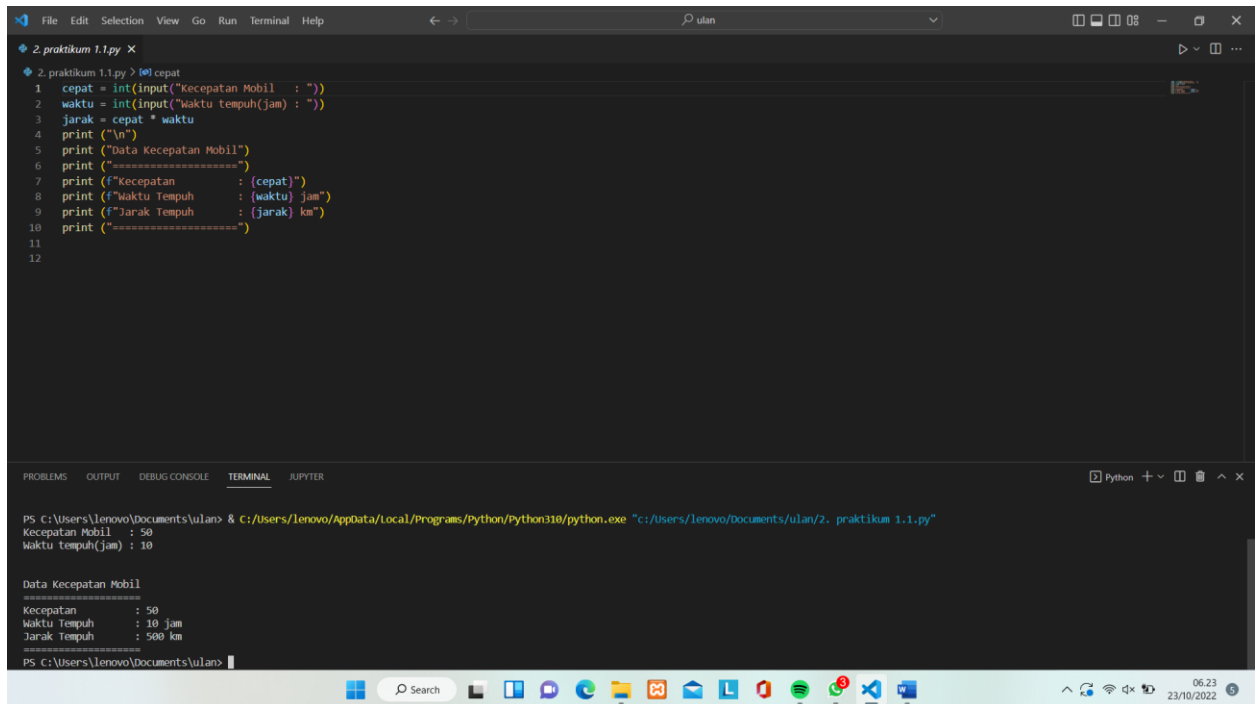
The image shows a screenshot of a Visual Studio Code (VS Code) editor window. The editor is open to a file named `1.praktikum 4.9.py`. The code in the editor is a Python script that prompts the user for their name, NIM, faculty, and department, and then prints the information along with a fixed address.

```
1 nama = input ("Nama : ")
2 nim = input ("Nim : ")
3 jurusan = input ("Jurusan : ")
4 fakultas = input ("Fakultas : ")
5 print ("\n")
6 print (" UNIVERSITAS KOMPUTER INDONESIA ")
7 print (" Jl Dipati Ukur 112-114, Bandung")
8
9 print ("Nama : (nama)")
10 print ("Nim : (nim)")
11 print ("Jurusan : (jurusan)")
12 print ("Fakultas : (fakultas)")
13
```

Below the editor, the `TERMINAL` panel is active, showing the command prompt output of the script. The command executed is `c:\Users\lenovo\AppData\Local\Programs\Python\Python310\python.exe "c:\Users\lenovo\Documents\ulan\1. praktikum 4.9.py"`. The output shows the user input: `Nama : Oemar Bakri`, `Nim : 10205080`, `Jurusan : Teknik Komputer`, and `Fakultas : Teknik dan ilmu komputer`.

Windows PowerShell  
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PS C:\Users\lenovo\Documents\ulan> & c:\Users\lenovo\AppData\Local\Programs\Python\Python310\python.exe "c:\Users\lenovo\Documents\ulan\1. praktikum 4.9.py"  
Nama : Oemar Bakri  
Nim : 10205080  
Jurusan : Teknik Komputer  
Fakultas : Teknik dan ilmu komputer

## 2. Praktikum 1.1



The screenshot shows a Python IDE with a file named '2. praktikum 1.1.py'. The code calculates distance based on speed and time. The terminal output shows the program running with inputs of 50 for speed and 10 for time, resulting in a distance of 500 km.

```
2. praktikum 1.1.py X
2. praktikum 1.1.py > cepat
1 cepat = int(input("Kecepatan Mobil : "))
2 waktu = int(input("Waktu Tempuh(jam) : "))
3 jarak = cepat * waktu
4 print("\n")
5 print("Data Kecepatan Mobil")
6 print("=====")
7 print(f"Kecepatan      : {cepat}")
8 print(f"Waktu Tempuh    : {waktu} jam")
9 print(f"Jarak Tempuh     : {jarak} km")
10 print("=====")
11
12
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER

PS C:\Users\lenovo\Documents\ulan> & C:\Users\lenovo\AppData\Local\Programs\Python\Python310\python.exe "c:\Users\lenovo\Documents\ulan\2. praktikum 1.1.py"

Kecepatan Mobil : 50  
Waktu tempuh(jam) : 10

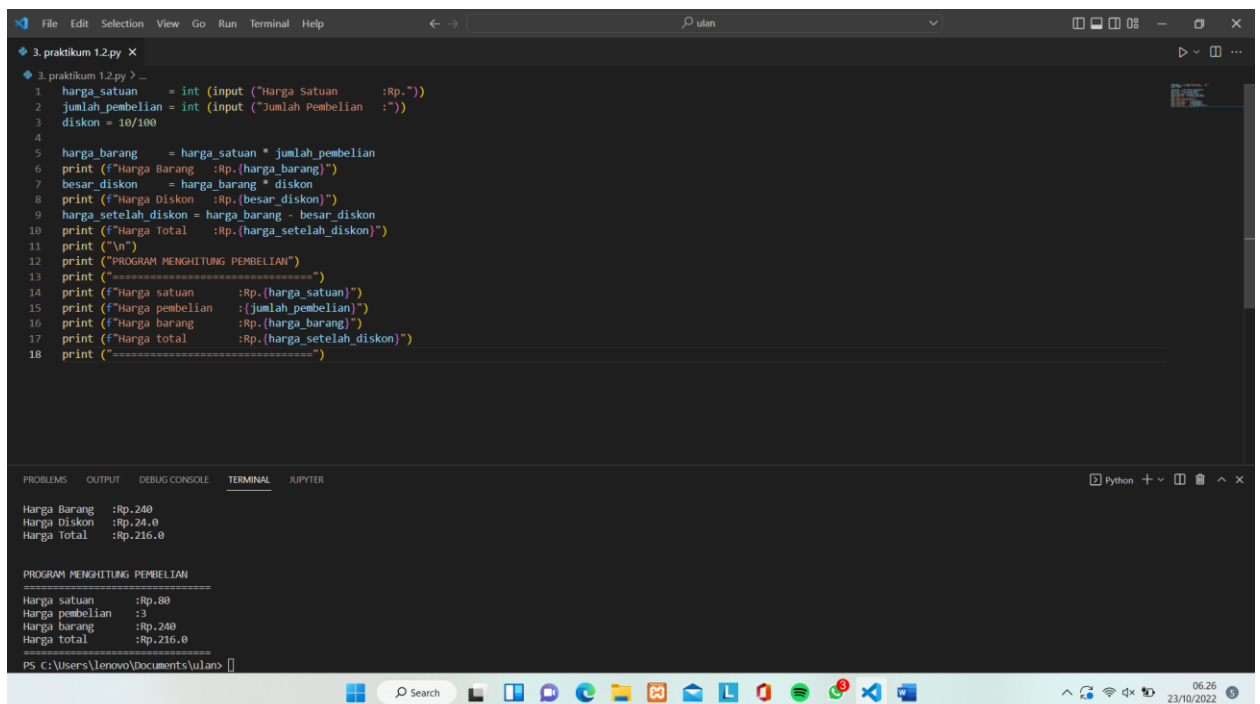
Data Kecepatan Mobil  
=====

|              |          |
|--------------|----------|
| Kecepatan    | : 50     |
| Waktu Tempuh | : 10 jam |
| Jarak Tempuh | : 500 km |

=====

PS C:\Users\lenovo\Documents\ulan>

## 3. Praktikum 1.2



The screenshot shows a Python IDE with a file named '3. praktikum 1.2.py'. The code calculates the total price after a discount. The terminal output shows the program running with inputs of 240 for unit price and 3 for quantity, resulting in a total price of 216.0 after a 10% discount.

```
3. praktikum 1.2.py X
3. praktikum 1.2.py > ...
1 harga_satuan = int(input("Harga Satuan :Rp. "))
2 jumlah_pembelian = int(input("Jumlah Pembelian :"))
3 diskon = 10/100
4
5 harga_barang = harga_satuan * jumlah_pembelian
6 print(f"Harga Barang :Rp.{harga_barang}")
7 besar_diskon = harga_barang * diskon
8 print(f"Harga Diskon :Rp.{besar_diskon}")
9 harga_setelah_diskon = harga_barang - besar_diskon
10 print(f"Harga Total :Rp.{harga_setelah_diskon}")
11 print("\n")
12 print("PROGRAM MENGHITUNG PEMBELIAN")
13 print("=====")
14 print(f"Harga satuan :Rp.{harga_satuan}")
15 print(f"Harga pembelian :{jumlah_pembelian}")
16 print(f"Harga barang :Rp.{harga_barang}")
17 print(f"Harga total :Rp.{harga_setelah_diskon}")
18 print("=====")
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER

Harga Barang :Rp.240  
Harga Diskon :Rp.24.0  
Harga Total :Rp.216.0

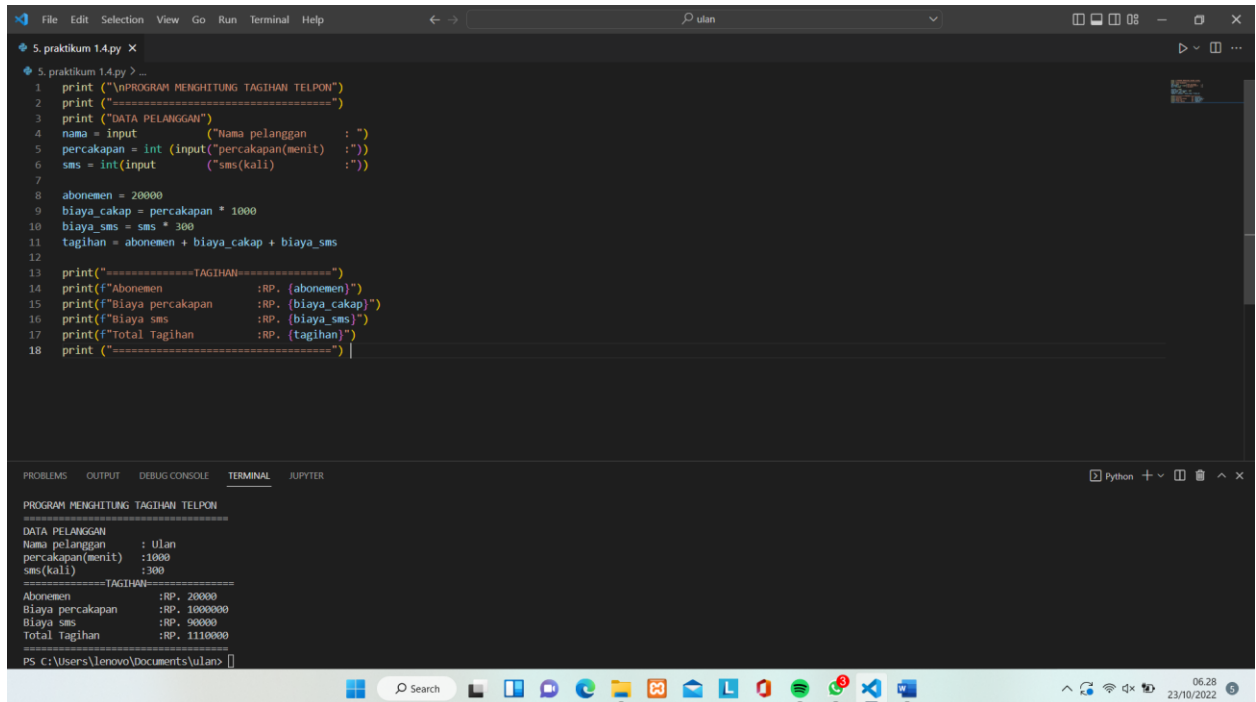
PROGRAM MENGHITUNG PEMBELIAN  
=====

|                 |           |
|-----------------|-----------|
| Harga satuan    | :Rp.80    |
| Harga pembelian | :3        |
| Harga barang    | :Rp.240   |
| Harga total     | :Rp.216.0 |

=====

PS C:\Users\lenovo\Documents\ulan>

#### 4. Praktikum 1.4



The screenshot shows a Jupyter Notebook interface with a file named '5. praktikum 1.4.py'. The code defines a program to calculate a telephone bill based on a customer's name, call duration, and number of SMS messages. The program uses variables to store these inputs and calculates the total bill by adding a base fee, call charges, and SMS charges. The output is displayed in a formatted table.

```
1 print("\nPROGRAM MENGHITUNG TAGIHAN TELPON")
2 print("=====")
3 print("DATA PELANGGAN")
4 nama = input("Nama pelanggan : ")
5 percakapan = int(input("percakapan(menit) : "))
6 sms = int(input("sms(kali) : "))
7
8 abonemen = 20000
9 biaya_cakap = percakapan * 1000
10 biaya_sms = sms * 300
11 tagihan = abonemen + biaya_cakap + biaya_sms
12
13 print("=====TAGIHAN=====")
14 print("Abonemen :RP. {abonemen}")
15 print("Biaya percakapan :RP. {biaya_cakap}")
16 print("Biaya sms :RP. {biaya_sms}")
17 print("Total Tagihan :RP. {tagihan}")
18 print("=====")
```

PROGRAM MENGHITUNG TAGIHAN TELPON  
=====

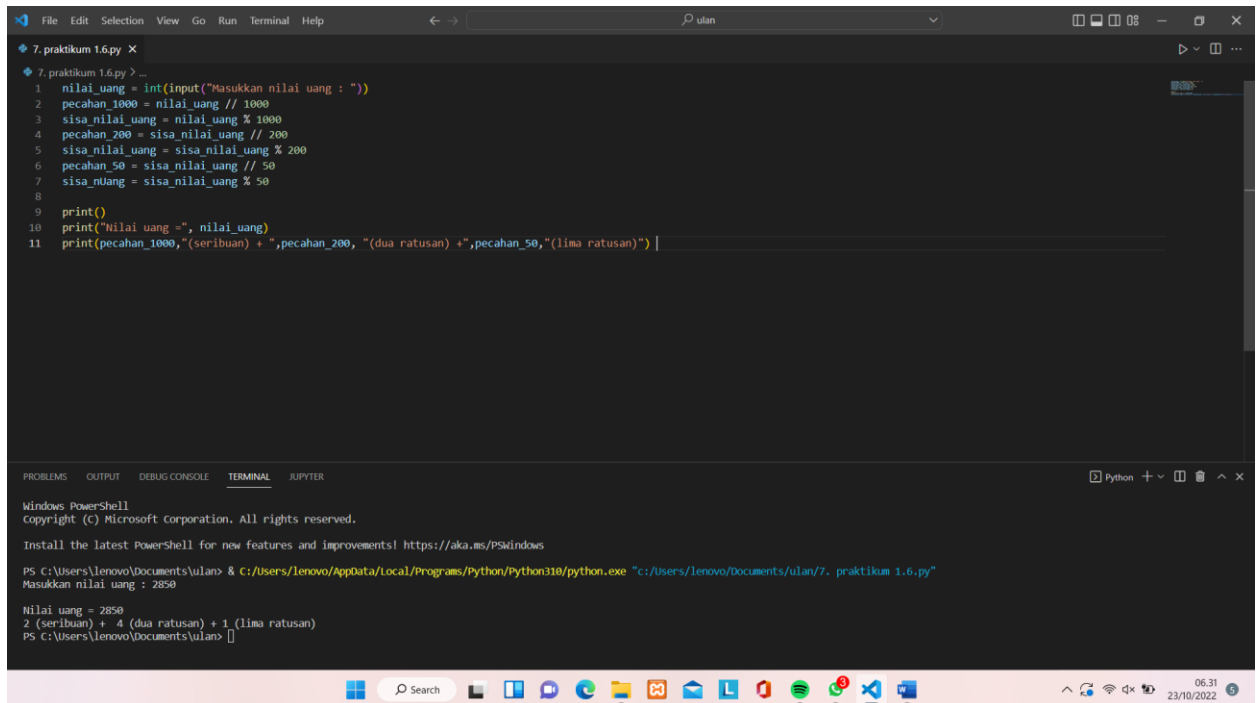
| DATA PELANGGAN    |        |
|-------------------|--------|
| Nama pelanggan    | : Ulan |
| percakapan(menit) | : 1000 |
| sms(kali)         | : 300  |

=====TAGIHAN=====

|                  |              |
|------------------|--------------|
| Abonemen         | :RP. 20000   |
| Biaya percakapan | :RP. 1000000 |
| Biaya sms        | :RP. 90000   |
| Total Tagihan    | :RP. 1110000 |

PS C:\Users\lenovo\Documents\ulan>

#### 5. Praktikum 1.6



The screenshot shows a Jupyter Notebook interface with a file named '7. praktikum 1.6.py'. The code takes an input value and calculates its remainder when divided by 1000, 200, and 50. The results are then formatted into a string representing the value in thousands, hundreds, and tens.

```
1 nilai_uang = int(input("Masukkan nilai uang : "))
2 pecahan_1000 = nilai_uang // 1000
3 sisa_nilai_uang = nilai_uang % 1000
4 pecahan_200 = sisa_nilai_uang // 200
5 sisa_nilai_uang = sisa_nilai_uang % 200
6 pecahan_50 = sisa_nilai_uang // 50
7 sisa_nUang = sisa_nilai_uang % 50
8
9 print()
10 print("Nilai uang =", nilai_uang)
11 print(pecahan_1000,"(seribu) + ", pecahan_200, "(dua ratusan) + ", pecahan_50, "(lima ratusan) ")
```

Windows PowerShell  
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PS C:\Users\lenovo\Documents\ulan> & C:\Users\lenovo\AppData\Local\Programs\Python\Python310\python.exe "c:/Users/lenovo/Documents/ulan/7. praktikum 1.6.py"

Masukkan nilai uang : 2850

Nilai uang = 2850  
2 (seribu) + 4 (dua ratusan) + 1 (lima ratusan)

PS C:\Users\lenovo\Documents\ulan>