

NAMA : MUTIARA ADE KANTARI

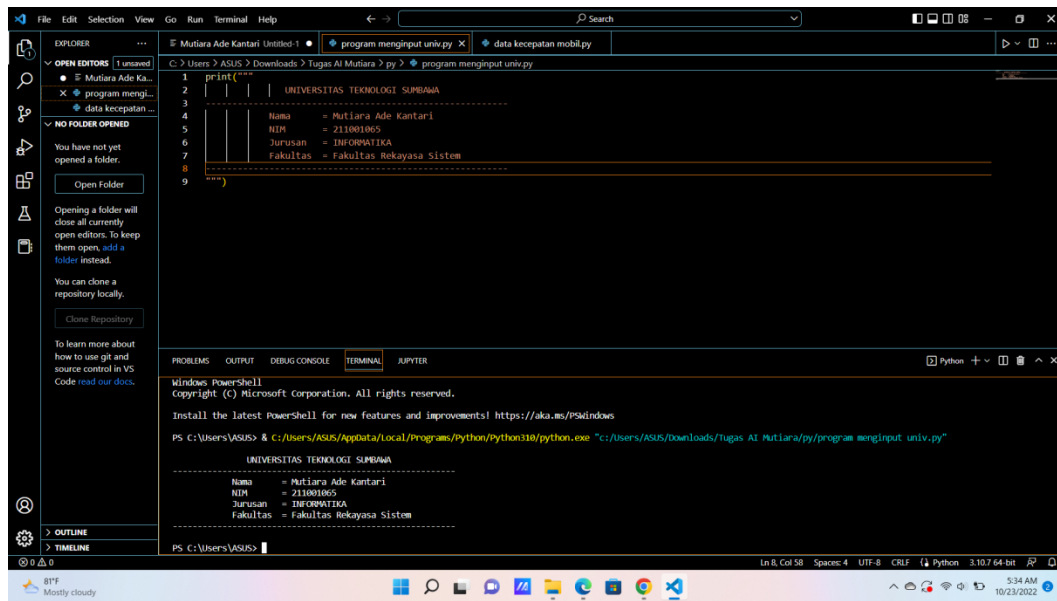
NIM : 211001065

KELAS : 3D INFORMATIKA

## Tugas Book Praktikum 1 Minggu ke-3

### Praktikum 4.9

#### 1. Data Mahasiswa



The screenshot shows the Visual Studio Code interface. The Explorer pane on the left shows the file structure. The Editor pane displays a Python script named `program_menginput_univ.py`. The script prints a header for 'UNIVERSITAS TEKNOLOGI SUMBAWA' and then prompts for student information: Name, NIM, Jurusan, and Fakultas. The output is displayed in the Terminal pane.

```
1 print("---")
2 | | | | UNIVERSITAS TEKNOLOGI SUMBAWA
3 | | | |
4 | | | | Nama      = Mutiara Ade Kantari
5 | | | | NIM       = 211001065
6 | | | | Jurusan   = INFORMATIKA
7 | | | | Fakultas  = Fakultas Rekayasa Sistem
8 | | | |
9 print("---")
```

The terminal output shows the same information printed out:

```
Windows PowerShell
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Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

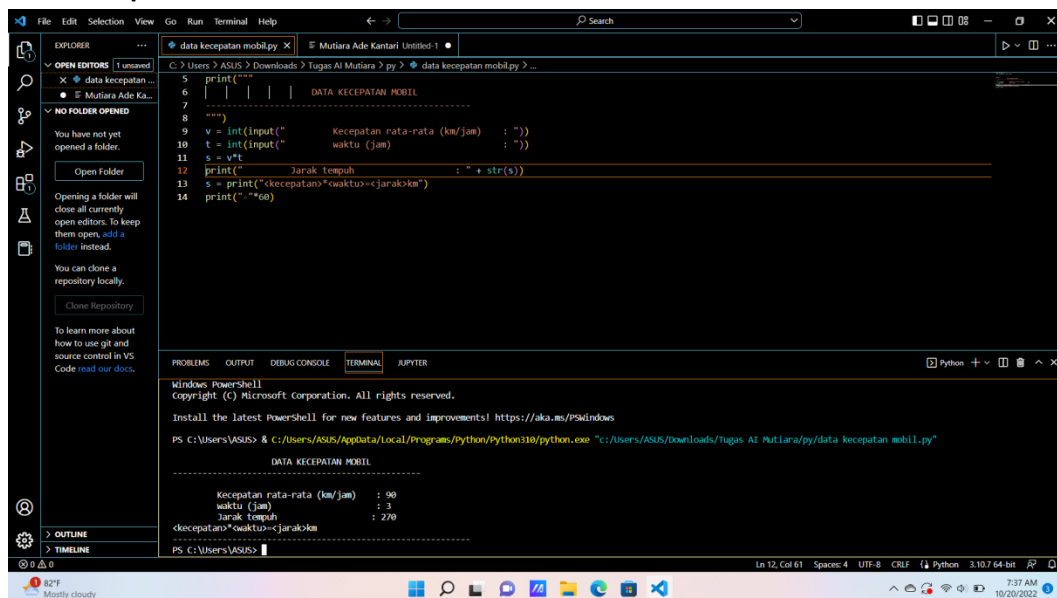
PS C:\Users\ASUS> & C:\Users\ASUS\AppData\Local\Programs\Python\Python310\python.exe "C:\Users\ASUS\Downloads\tugas AI Mutiara\py\program_menginput_univ.py"

UNIVERSITAS TEKNOLOGI SUMBAWA

Nama      = Mutiara Ade Kantari
NIM       = 211001065
Jurusan   = INFORMATIKA
Fakultas  = Fakultas Rekayasa Sistem
```

### Praktikum 4.10

#### 1. Data Kecepatan Mobil



The screenshot shows the Visual Studio Code interface. The Explorer pane on the left shows the file structure. The Editor pane displays a Python script named `data_kecepatan_mobil.py`. The script prints a header for 'DATA KECEPATAN MOBIL' and then prompts for car speed data: kecepatan rata-rata (km/jam), waktu (jam), and jarak tempuh. The output is displayed in the Terminal pane.

```
5 print("---")
6 | | | | DATA KECEPATAN MOBIL
7 | | | |
8 print("---")
9 v = int(input("      Kecepatan rata-rata (km/jam) : "))
10 t = int(input("      waktu (jam) : "))
11 s = v*t
12 print("      Jarak tempuh : " + str(s))
13 s = print("<kecepatano*owaktu><jarakokm")
14 print("<---")
```

The terminal output shows the same information printed out:

```
Windows PowerShell
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Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\ASUS> & C:\Users\ASUS\AppData\Local\Programs\Python\Python310\python.exe "C:\Users\ASUS\Downloads\tugas AI Mutiara\py\data_kecepatan_mobil.py"

DATA KECEPATAN MOBIL

Kecepatan rata-rata (km/jam) : 90
waktu (jam) : 3
Jarak tempuh : 270
<kecepatano*owaktu><jarakokm>
<---
```

## 2. Menghitung Pembelian Buku

The screenshot shows a Windows desktop with a VS Code editor open. The editor displays a Python script named 'program menghitung univ.py' in the 'Downloads' folder. The script calculates the total price of a product based on unit price, quantity, and discount. The output shows a total price of 48000.0. The VS Code interface includes a sidebar with a file explorer, a search bar, and a terminal window at the bottom.

```

1 print("""
2 | | | | | PROGRAM MENGHITUNG PEMBELIAN
3 | | | | |
4 """)
5
6 a = int(input("==== Harga satuan      : Rp. """))
7 b = int(input("==== Jumlah Pembelian : """))
8 c = int(input("==== Discount         : """))
9
10 d = (a*b)*(c/100)
11 print("==== Harga Total      : Rp. " + str(d))
12
13 print("==== *450)
  
```

The terminal window at the bottom shows the command prompt running the script: `PS C:\Users\VASUS> C:\Users\VASUS\AppData\Local\Programs\Python\Python310\python.exe "c:/Users/ASUS/Downloads/Tugas AI Mutiara/py/Pembelian buku.py"`. The output of the script is displayed in the terminal:

```

PROGRAM MENGHITUNG PEMBELIAN
=====
Harga satuan      : Rp. 30000
Jumlah Pembelian : 8
Discount         : 20
=====
Harga Total      : Rp. 48000.0
=====
PS C:\Users\VASUS>
  
```

### 3. Menghitung Penjualan Buku

The screenshot shows a Windows 10 desktop with a Windows 11 taskbar at the bottom. The main application is Visual Studio Code, which is open to a file named 'penjualan\_buku.py'. The code is a Python script that calculates the total price of a book purchase based on unit price, quantity, and a discount.

```

1 print("""
2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
3 |-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
4 """)
5 a = int(input("    Harga satuan      : Rp. """))
6 b = int(input("    Jumlah Pembelian : """))
7 c = int(input("    Discount         : """))
8
9 d = (a*b)
10 print("Harga Total      : Rp. " + str(d))
11
12 print("-"*450)

```

The terminal window at the bottom shows the output of the program:

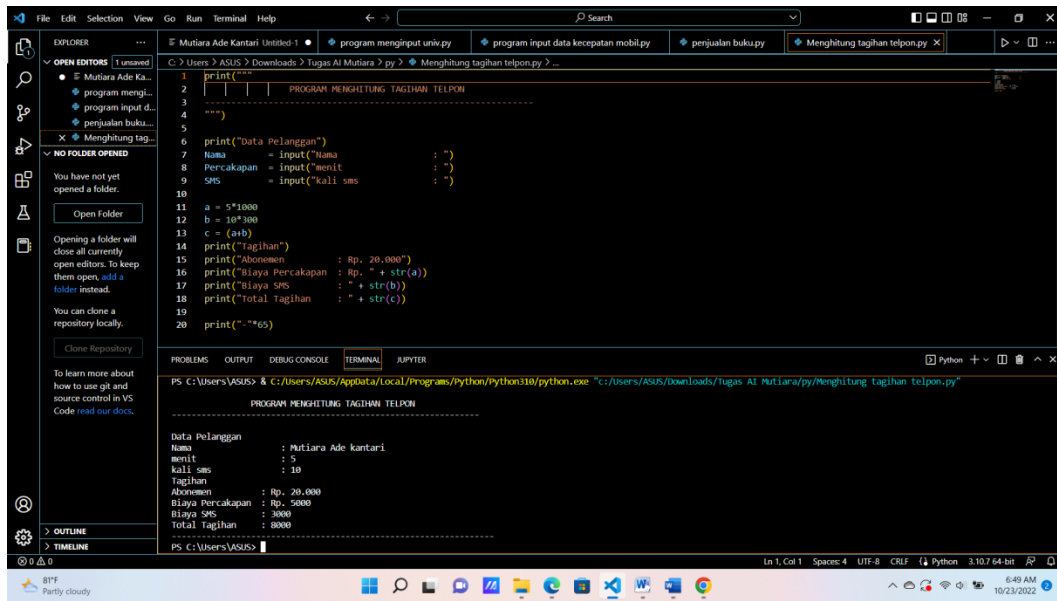
```

PROGRAM PENJUALAN BUKU
-----
    Harga satuan      : Rp. 30000
    Jumlah Pembelian : 8
    Discount         : 0
    Harga Total      : Rp. 240000
-----
PS C:\Users\ASUS>

```

On the left side of the VS Code window, there is a sidebar with the Explorer view showing the file structure of the project, including 'program menginput univ.py', 'program input data kecepatan mobil.py', and 'penjualan\_buku.py'. Below the Explorer, there are buttons for 'Open Folder', 'Clone Repository', and a link to learn more about using Git and source control in VS Code.

#### 4. Menghitung Tagihan Telepon



```
1 print("""
2 | | | PROGRAM MENGHITUNG TAGIHAN TELPON
3 | | |
4 """)
5
6 print("Data Pelanggan")
7 Nama = input("Nama      : ")
8 Percakapan = input("menit  : ")
9 SMS = input("kali sms   : ")
10
11 a = 5*1000
12 b = 10*300
13 c = (a+b)
14 print("Tagihan")
15 print("Abonemen      : Rp. 20.000")
16 print("Biaya Percakapan : Rp. " + str(a))
17 print("Taglaga SMS    : " + str(b))
18 print("Total Tagihan   : " + str(c))
19
20 print("\n")
```

PROGRAM MENGHITUNG TAGIHAN TELPON

Data Pelanggan

Nama : Mutiara Ade kantari

menit : 5

kali sms : 10

Tagihan

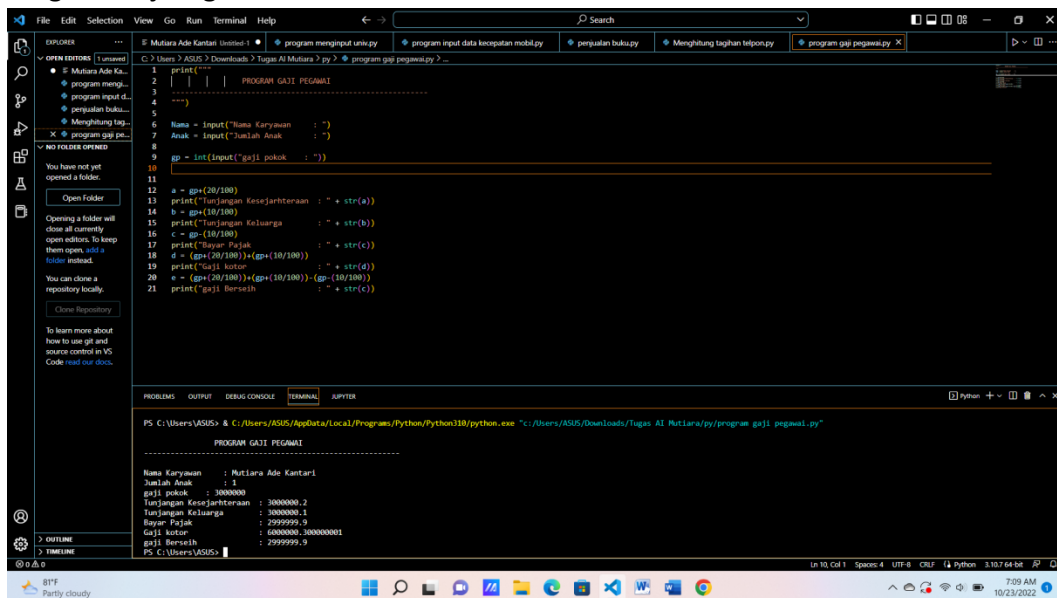
Abonemen : Rp. 20.000

Biaya Percakapan : Rp. 5000

Biaya SMS : 3000

Total Tagihan : 8000

#### 5. Program Gaji Pegawai



```
1 print("""
2 | | | PROGRAM GAJI PEKAWAI
3 | | |
4 """)
5
6 Nama = input("Nama Karyawan : ")
7 Anak = input("Jumlah Anak : ")
8
9 gp = int(input("gaji pokok : "))
10
11
12 a = gp*(20/100)
13 print("Tunjangan Kesejahteraan : " + str(a))
14 b = gp*(10/100)
15 print("Tunjangan Keluarga : " + str(b))
16 c = gp*(10/100)
17 print("Bayar Pajak : " + str(c))
18 d = (gp*(20/100))+(gp*(10/100))
19 print("Gaji kotor : " + str(d))
20 e = (gp*(20/100))+(gp*(10/100))-(gp*(10/100))
21 print("gaji Bersih : " + str(e))
```

PROGRAM GAJI PEKAWAI

Nama Karyawan : Mutiara Ade Kantari

Jumlah Anak : 1

gaji pokok : 3000000

Tunjangan Kesejahteraan : 3000000.2

Tunjangan Keluarga : 3000000.1

Bayar Pajak : 2999999.9

Gaji kotor : 6000000.3000000001

gaji Bersih : 2999999.9