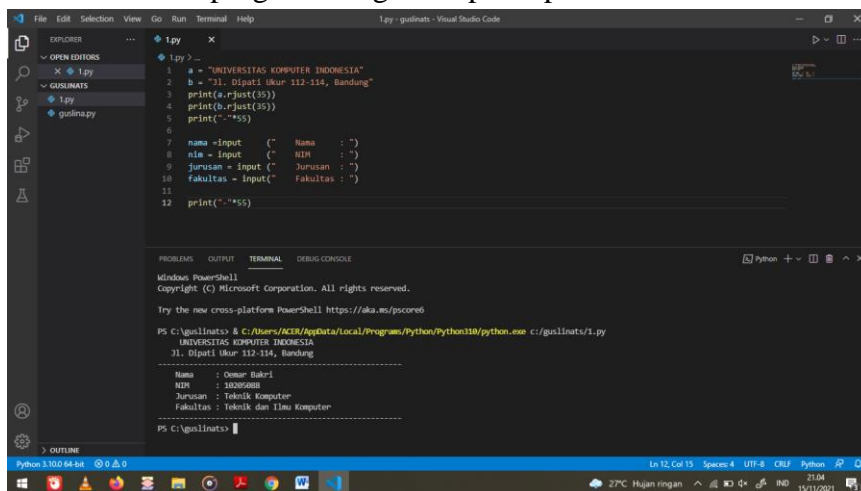


NAMA : GUSLINA TRI SANTIKA  
NIM : 20.01.013.049  
KELAS : ARTIFICIAL INTELLIGENCE-3B

## TUGAS PRAKTIKUM PYTHON I-TUGAS

### 4.9. Praktikum

1. Buatlah program dengan output seperti dibawah ini.



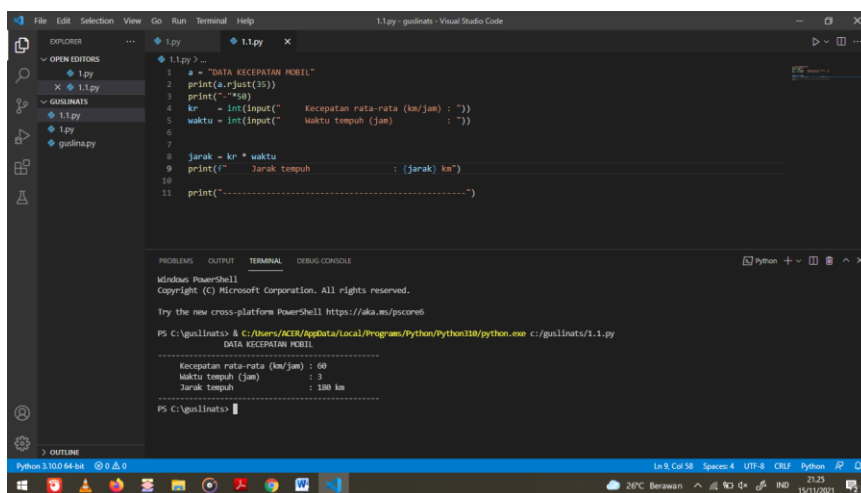
```
1 a = "UNIVERSITAS KOMPUTER INDONESIA"  
2 b = "Jl. Dipati Ukur 112-114, Bandung"  
3 print(a.rjust(35))  
4 print(b.rjust(35))  
5 print("-"*55)  
6  
7 nama = input(" Nama : ")  
8 nim = input(" NIM : ")  
9 jurusan = input(" Jurusan : ")  
10 fakultas = input(" Fakultas : ")  
11  
12 print("-"*55)
```

Terminal Output:

```
Microsoft PowerShell  
Copyright (C) Microsoft Corporation. All rights reserved.  
  
Try the new cross-platform PowerShell https://aka.ms/powershell  
  
PS C:\guslinats> & C:\Users\ACER\AppData\Local\Programs\Python\Python38\python.exe c:/guslinats/1.py  
UNIVERSITAS KOMPUTER INDONESIA  
Jl. Dipati Ukur 112-114, Bandung  
-----  
Nama : Guslina Tri Santika  
NIM : 20020888  
Jurusan : Teknik Komputer  
Fakultas : Teknik dan Ilmu Komputer  
-----  
PS C:\guslinats>
```

### 4.10 Praktikum

1. DATA KECEPATAN MOBIL

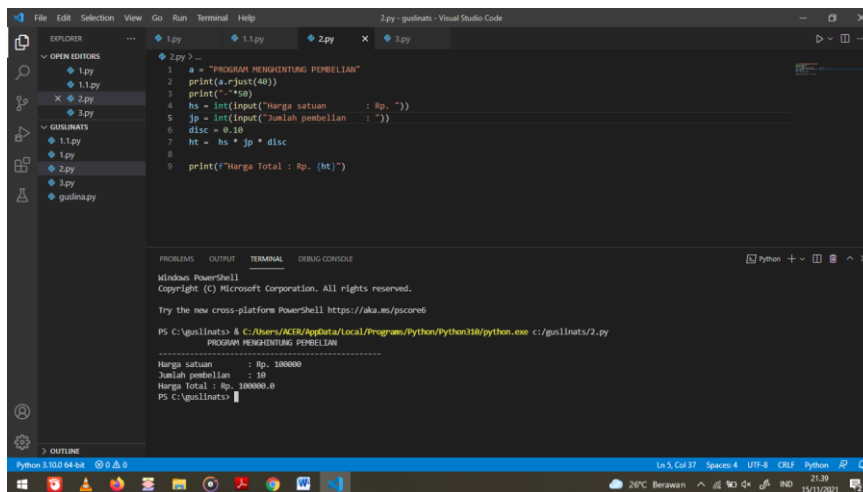


```
1 a = "DATA KECEPATAN MOBIL"  
2 print(a.rjust(35))  
3 print("-"*55)  
4 kr = int(input(" Kecepatan rata-rata (km/jam) : "))  
5 waktu = int(input(" Waktu tempuh (jam) : "))  
6  
7  
8 jarak = kr * waktu  
9 print(" Jarak tempuh : (jarak) km")  
10  
11 print("-"*55)
```

Terminal Output:

```
Microsoft PowerShell  
Copyright (C) Microsoft Corporation. All rights reserved.  
  
Try the new cross-platform PowerShell https://aka.ms/powershell  
  
PS C:\guslinats> & C:\Users\ACER\AppData\Local\Programs\Python\Python38\python.exe c:/guslinats/1.1.py  
DATA KECEPATAN MOBIL  
-----  
Kecepatan rata-rata (km/jam) : 60  
Waktu tempuh (jam) : 3  
Jarak tempuh : 180 km  
-----  
PS C:\guslinats>
```

## 2. PROGRAM MENGHITUNG PEMBELIAN

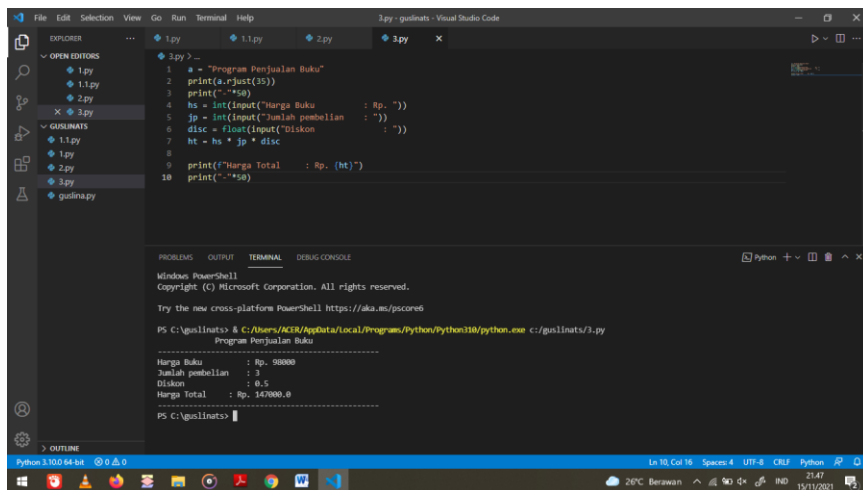


```
1 a = "PROGRAM MENGHITUNG PEMBELIAN"
2 print(a.rjust(40))
3 print("=="*50)
4 hs = int(input("Harga satuan : Rp. "))
5 jp = int(input("Jumlah pembelian : "))
6 disc = 0.10
7 ht = hs * jp * disc
8
9 print(f"Harga Total : Rp. {ht}")
```

Terminal Output:

```
PS C:\guslinats> & C:\Users\ACER\AppData\Local\Programs\Python\Python38\python.exe c:/guslinats/2.py
PROGRAM MENGHITUNG PEMBELIAN
-----
Harga satuan : Rp. 100000
Jumlah pembelian : 10
Harga Total : Rp. 10000.0
PS C:\guslinats>
```

## 3. PROGRAM PENJUALAN BUKU

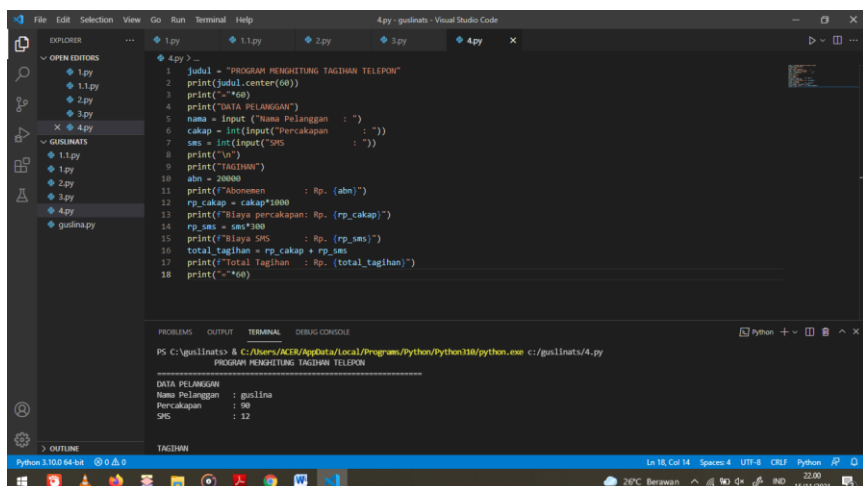


```
1 a = "Program Penjualan Buku"
2 print(a.rjust(35))
3 print("=="*50)
4 hs = int(input("Harga Buku : Rp. "))
5 jp = int(input("Jumlah pembelian : "))
6 disc = float(input("Diskon : "))
7 ht = hs * jp * disc
8
9 print(f"Harga Total : Rp. {ht}")
10 print("=="*50)
```

Terminal Output:

```
PS C:\guslinats> & C:\Users\ACER\AppData\Local\Programs\Python\Python38\python.exe c:/guslinats/3.py
Program Penjualan Buku
-----
Harga Buku : Rp. 50000
Jumlah pembelian : 3
Diskon : 0.5
Harga Total : Rp. 147500.0
PS C:\guslinats>
```

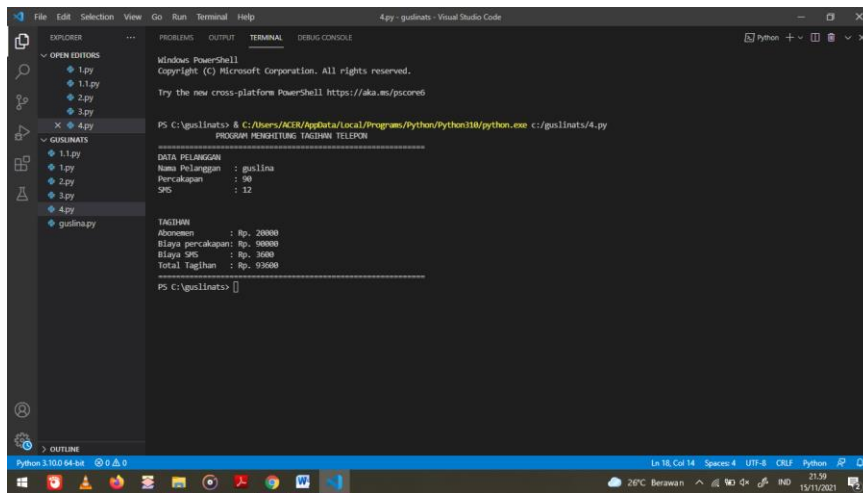
## 4. PROGRAM MENGHITUNG TAGIHAN TELEPON



```
1 judul = "PROGRAM MENGHITUNG TAGIHAN TELEPON"
2 print(judul.center(60))
3 print("=="*60)
4 print("DATA PELANGGAN")
5 nama = input("Nama Pelanggan : ")
6 cakap = int(input("Percakapan : "))
7 sms = int(input("SMS : "))
8 print("==")
9 print("TAGIHAN")
10 aln = 20000
11 print(f"Abonemen : Rp. {aln}")
12 rp_cakap = cakap*1000
13 print(f"Biaya percakapan : Rp. {rp_cakap}")
14 rp_sms = sms*300
15 print(f"Biaya SMS : Rp. {rp_sms}")
16 total_tagihan = rp_cakap + rp_sms
17 print(f"Total Tagihan : Rp. {total_tagihan}")
18 print("=="*60)
```

Terminal Output:

```
PS C:\guslinats> & C:\Users\ACER\AppData\Local\Programs\Python\Python38\python.exe c:/guslinats/4.py
PROGRAM MENGHITUNG TAGIHAN TELEPON
-----
DATA PELANGGAN
Nama Pelanggan : guslina
Percakapan : 90
SMS : 12
-----
TAGIHAN
-----
Abonemen : Rp. 20000
Biaya percakapan : Rp. 90000
Biaya SMS : Rp. 3600
Total Tagihan : Rp. 123600
-----
```



```
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/powershell

PS C:\guslinats> & C:\Users\ACER\AppData\Local\Programs\Python\Python310\python.exe c:/guslinats/4.py

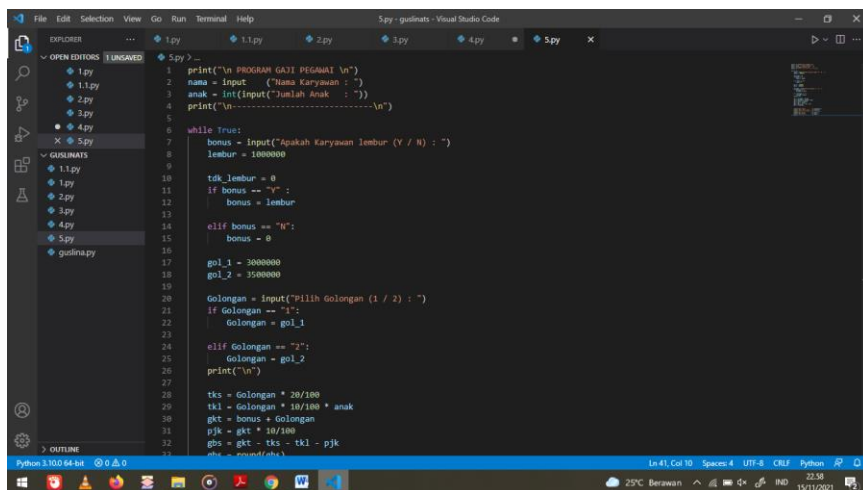
PROGRAM PENGHITUNG TAGIHAN TELEPON

=====
DATA PELANGGAN
Nama Pelanggan : guslinat
Percakapan : 90
SMS : 12

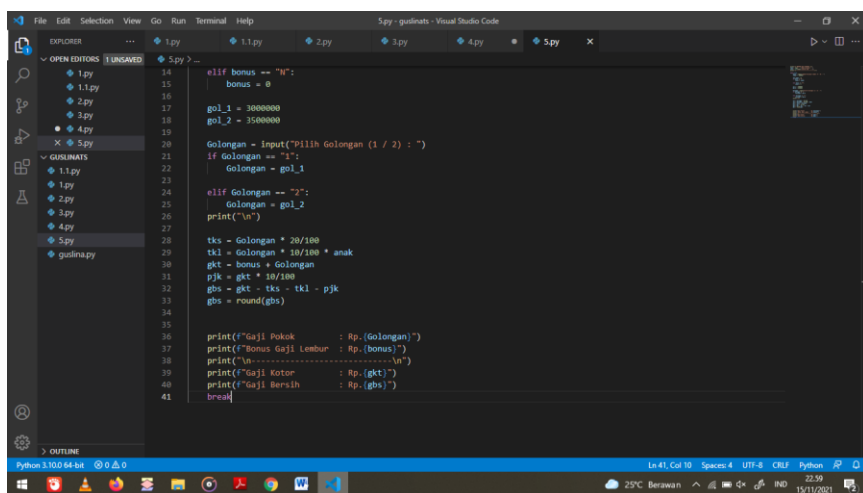
=====
TAGIHAN
Abonemen : Rp. 20000
Biaya percakapan: Rp. 90000
Biaya SMS : Rp. 3000
Total Tagihan : Rp. 93000

=====
PS C:\guslinats>
```

## 5. PROGRAM GAJI PEGAWAI



```
1 print("\n PROGRAM GAJI PEGAWAI \n")
2 nama = input("Nama Karyawan : ")
3 anak = int(input("Jumlah Anak : "))
4 print("\n-----\n")
5
6 while True:
7     bonus = input("Apakah Karyawan lembur (Y / N) : ")
8     lembur = 1000000
9
10    tdk_lembur = 0
11    if bonus == "Y":
12        bonus = lembur
13
14    elif bonus == "N":
15        bonus = 0
16
17    gol_1 = 3000000
18    gol_2 = 3500000
19
20    Golongan = input("Pilih Golongan (1 / 2) : ")
21    if Golongan == "1":
22        Golongan = gol_1
23
24    elif Golongan == "2":
25        Golongan = gol_2
26    print("\n")
27
28    tks = Golongan * 20/100
29    tkl = Golongan * 10/100 * anak
30    gkt = bonus + Golongan
31    pjk = gkt * 10/100
32    gbs = gkt - tks - tkl - pjk
33    net = round(gbs)
```



```
14    elif bonus == "N":
15        bonus = 0
16
17    gol_1 = 3000000
18    gol_2 = 3500000
19
20    Golongan = input("Pilih Golongan (1 / 2) : ")
21    if Golongan == "1":
22        Golongan = gol_1
23
24    elif Golongan == "2":
25        Golongan = gol_2
26    print("\n")
27
28    tks = Golongan * 20/100
29    tkl = Golongan * 10/100 * anak
30    gkt = bonus + Golongan
31    pjk = gkt * 10/100
32    gbs = gkt - tks - tkl - pjk
33    gbs = round(gbs)
34
35
36    print("Gaji Pokok : Rp.(Golongan)")
37    print("Bonus Gaji Lembur : Rp.(bonus)")
38    print("\n-----\n")
39    print("Gaji Kotor : Rp.(gkt)")
40    print("Gaji Bersih : Rp.(gbs)")
41    break
```

The screenshot shows a Python script named `5.py` in Visual Studio Code. The script uses a series of `input()` and `print()` statements to interact with the user. It prompts for an employee's name and the number of days worked, then calculates and displays the gross wage, bonus, and total wage.

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

PS C:\guilnats> C:\Users\ACER\AppData\Local\Programs\Python\Python318\python.exe c:/guilnats/5.py

PROGRAM Gaji Pegawai

Nama Karyawan : lin
Jumlah Anak : 2

-----

Apakah Karyawan Lembur (Y / N) : Y
Pilih Golongan (1 / 2) : 2

Gaji Pokok : Rp.3500000
Bonus Gaji Lembur : Rp.1800000

-----

Gaji Kotor : Rp.4500000
Gaji Bersih : Rp.2650000
PS C:\guilnats>
```

## 6. PROGRAM MENYATAKAN SUATU NILAI UANG RUPIAH

The screenshot shows a Python script named `6.py` in Visual Studio Code. The script takes a decimal value as input and converts it into a string representation of Indonesian Rupiah, using conditional logic to format thousands, hundreds, and tens.

```
1 nilai_uang = int(input("Nilai Uang = "))
2 pecahan1000 = nilai_uang // 1000
3 sisa_nilai_uang = nilai_uang % 1000
4 pecahan200 = sisa_nilai_uang // 200
5 sisa_nilai_uang = sisa_nilai_uang % 200
6 pecahan50 = sisa_nilai_uang // 50
7 sisa_nilai_uang = sisa_nilai_uang % 50
8
9 print()
10 print("Nilai uang = ", nilai_uang)
11 print(pecahan1000, "(seribu) + ", pecahan200, "(duaratusan) + ", pecahan50, "(laspuluhan)")

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

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

PS C:\guilnats> & C:\Users\ACER\AppData\Local\Programs\Python\Python318\python.exe c:/guilnats/6.py
Nilai uang = 2850

Nilai uang = 2850
2 (seribu) + 4 (duaratusan) + 1 (laspuluhan)
PS C:\guilnats>
```

## 7. PROGRAM GAJI DAN HUTANG

The screenshot shows a Python script named `7.py` in Visual Studio Code. The script calculates the remaining amount after subtracting debt from salary, then divides this amount into three categories: savings (20%), expenses (10%), and the remaining balance (Infak).

```
1 gaji = int(input("Gaji = "))
2 hutang = int(input("Hutang = "))
3
4
5 Sisa_Uang = gaji - hutang
6 print(f"Sisa Uang = {Sisa_Uang}")
7
8 sehari_hari = Sisa_Uang * 70/100
9 print(f"Biaya Sehari = {sehari_hari}")
10
11 tabung = Sisa_Uang * 20/100
12 print(f"Tabung = {tabung}")
13
14 infak = Sisa_Uang * 10/100
15 print(f"Infak = {infak}")

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

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

PS C:\guilnats> & C:\Users\ACER\AppData\Local\Programs\Python\Python318\python.exe c:/guilnats/7.py
Gaji = 2000
Hutang = 200
Sisa Uang = 1800.0
Biaya Sehari = 1260.0
Tabung = 360.0
Infak = 180.0
PS C:\guilnats>
```