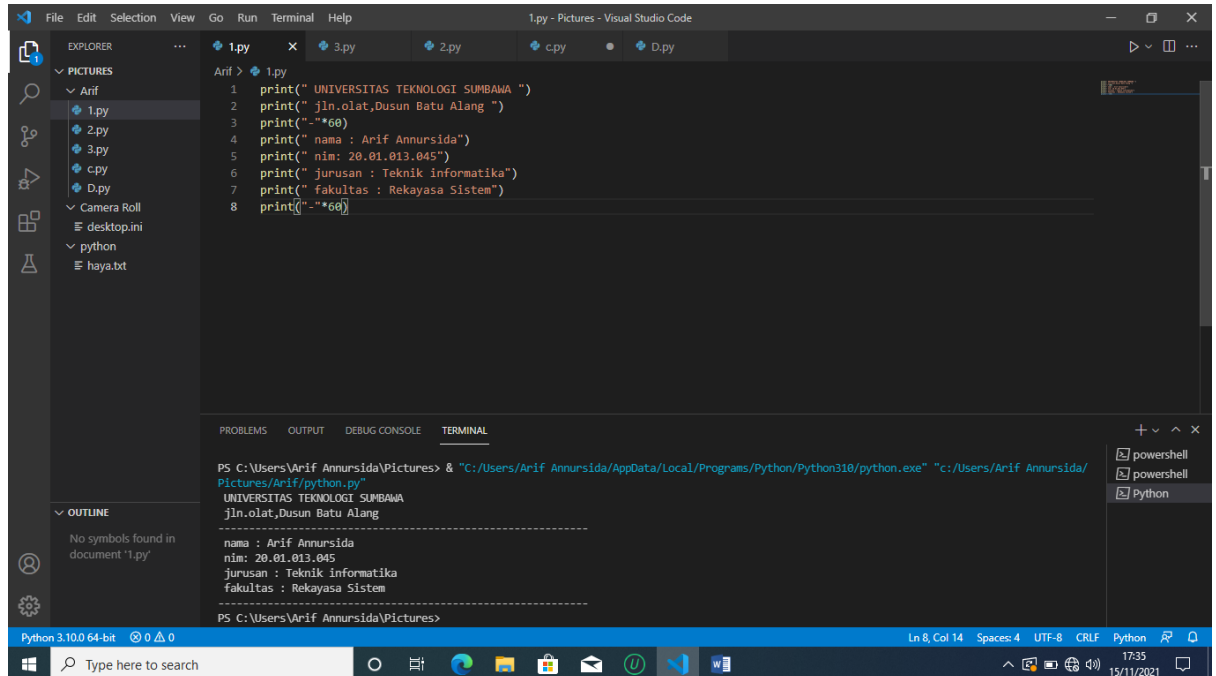


NAMA : ARIF ANNURSIDA

KELAS : AI-B

NIM : 20.01.013.045

## 1. 4.9 PRAKTIKUM



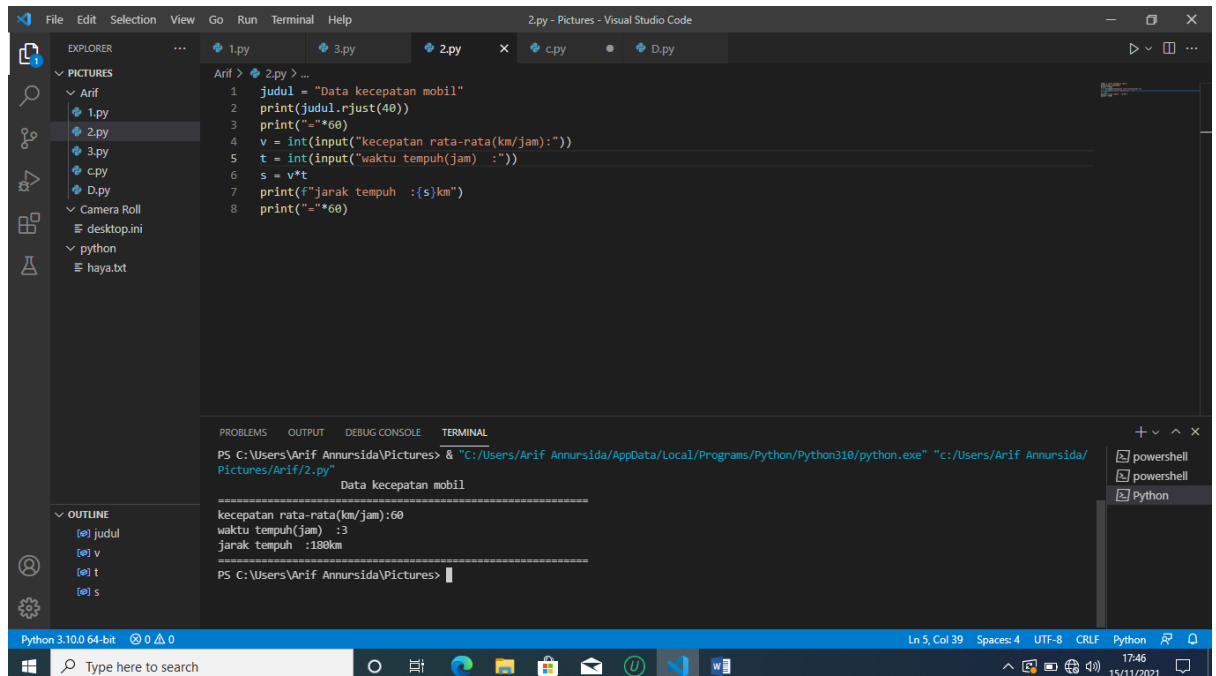
The screenshot shows the Visual Studio Code interface with a file named `1.py` open. The code in the editor is as follows:

```
1 print(" UNIVERSITAS TEKNOLOGI SUMBAWA ")
2 print(" jln.olat,Dusun Batu Alang ")
3 print("-"*60)
4 print(" nama : Arif Annursida")
5 print(" nim: 20.01.013.045")
6 print(" jurusan : Teknik Informatika")
7 print(" fakultas : Rekayasa Sistem")
8 print("-"*60)
```

The terminal at the bottom shows the command to run the script and its output:

```
PS C:\Users\Arif Annursida\Pictures> & "C:/Users/Arif Annursida/AppData/Local/Programs/Python/Python310/python.exe" "c:/Users/Arif Annursida/Pictures/Arif/python.py"
UNIVERSITAS TEKNOLOGI SUMBAWA
jln.olat,Dusun Batu Alang
-----
nama : Arif Annursida
nim: 20.01.013.045
jurusan : Teknik Informatika
fakultas : Rekayasa Sistem
-----
PS C:\Users\Arif Annursida\Pictures>
```

## 2. 4.10 MENCARI JARAK TEMPUH



The screenshot shows the Visual Studio Code interface with a file named `2.py` open. The code in the editor is as follows:

```
1 judul = "Data kecepatan mobil"
2 print(judul.rjust(40))
3 print("-"*60)
4 v = int(input("kecepatan rata-rata(km/jam):"))
5 t = int(input("waktu tempuh(jam) :"))
6 s = v*t
7 print(f"jarak tempuh :{s}km")
8 print("-"*60)
```

The terminal at the bottom shows the command to run the script and its output:

```
PS C:\Users\Arif Annursida\Pictures> & "C:/Users/Arif Annursida/AppData/Local/Programs/Python/Python310/python.exe" "c:/Users/Arif Annursida/Pictures/Arif/2.py"
Data kecepatan mobil
-----
kecepatan rata-rata(km/jam):60
waktu tempuh(jam) :3
jarak tempuh :180km
-----
PS C:\Users\Arif Annursida\Pictures>
```

### 3. Menghitung harga discount 10%

The screenshot shows a Visual Studio Code window with a Python file named `3.py`. The code is as follows:

```
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}")
```

The terminal output shows the program execution with the following input and output:

```
PS C:\Users\Arif Annursida\Pictures> & "C:/Users/Arif Annursida/AppData/Local/Programs/Python/Python310/python.exe" "C:/Users/Arif Annursida/Pictures/Arif/3.py"
PROGRAM MENGHITUNG PEMBELIAN
-----
harga satuan : Rp. 200000
jumlah pembelian : 2
harga total : Rp. 20000.0
PS C:\Users\Arif Annursida\Pictures>
```

### 4. Program menghitung pembelian

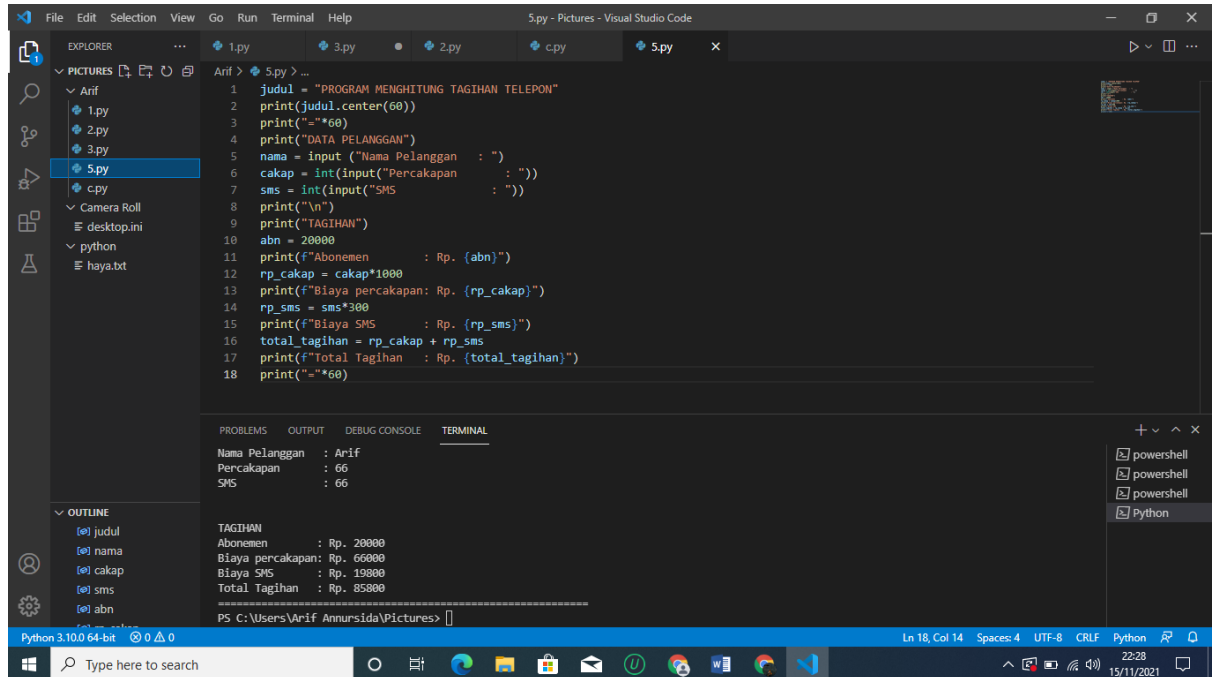
The screenshot shows a Visual Studio Code window with a Python file named `c.py`. The code is as follows:

```
1 judul = "PROGRAM MENGHITUNG PEMBELIAN"
2 print(judul.center(60))
3 print("-"*60)
4 harga_satuan = int(input("Harga Satuan : Rp. "))
5 jumlah_pembelian = int(input("Jumlah : "))
6 diskon = (variable) diskon: int : ")
7 diskon = diskon/100
8 total = harga_satuan * jumlah_pembelian
9 total = total - (total*diskon)
10 print(f"Total Bayar : Rp. {total} ")
11 print("-"*60)
```

The terminal output shows the program execution with the following input and output:

```
PS C:\Users\Arif Annursida\Pictures> & "C:/Users/Arif Annursida/AppData/Local/Programs/Python/Python310/python.exe" "C:/Users/Arif Annursida/Pictures/Arif/c.py"
PROGRAM MENGHITUNG PEMBELIAN
=====
Harga Satuan : Rp. 20000
Jumlah : 2
Diskon : 10
Total Bayar : Rp. 36000.0
=====
PS C:\Users\Arif Annursida\Pictures>
```

## 5. Program menghitung tagihan telpon



The screenshot shows a Visual Studio Code window with a Python file named `5.py` open. The code is a program to calculate telephone bills. It prompts the user for their name, the number of minutes of conversation, and the number of SMS messages. It then calculates the total bill based on a base rate of 20000 for the minutes and 1000 for the SMS, plus a 1000 charge for the minutes and a 300 charge for the SMS. The output shows the total bill for Arif, with 66 minutes and 66 SMS, resulting in a total bill of 85000.

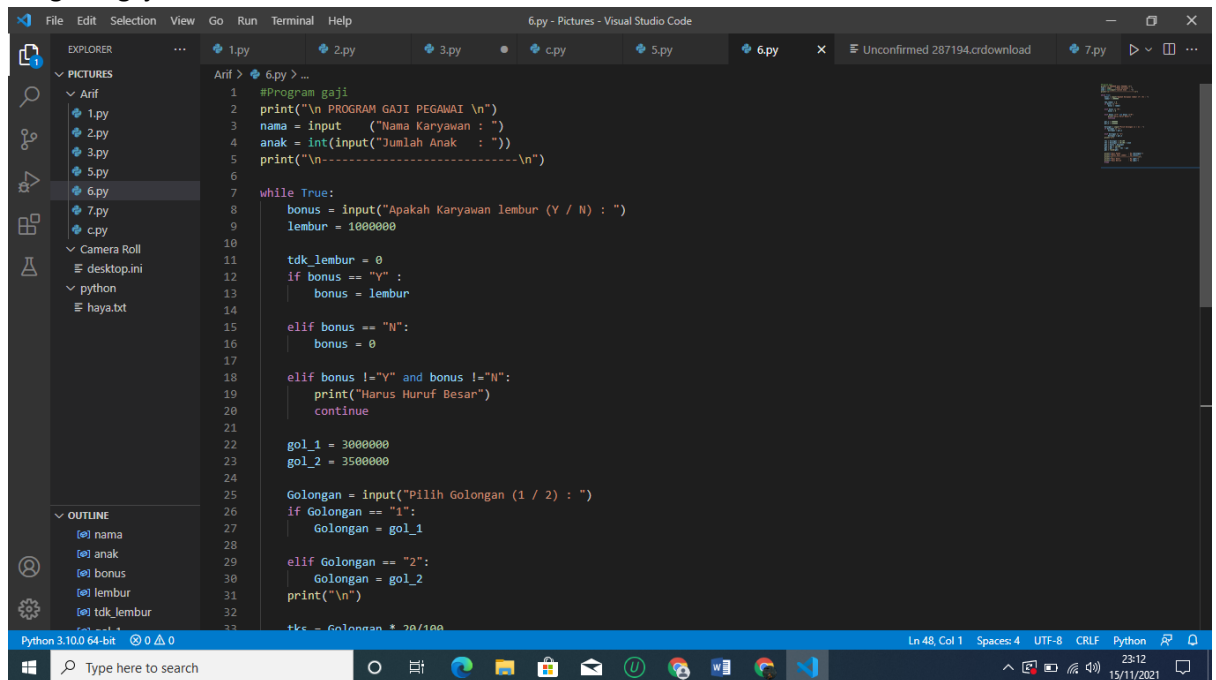
```
1 judul = "PROGRAM MENGHITUNG TAGIHAN TELEPON"
2 print(judul.center(60))
3 print("="*60)
4 print("DATA PELANGGAN")
5 nama = input("Nama Pelanggan : ")
6 cakap = int(input("Percakapan : "))
7 sms = int(input("SMS : "))
8 print("\n")
9 print("TAGIHAN")
10 abn = 20000
11 print(f"Abonemen : Rp. {abn}")
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:

```
Nama Pelanggan : Arif
Percakapan : 66
SMS : 66

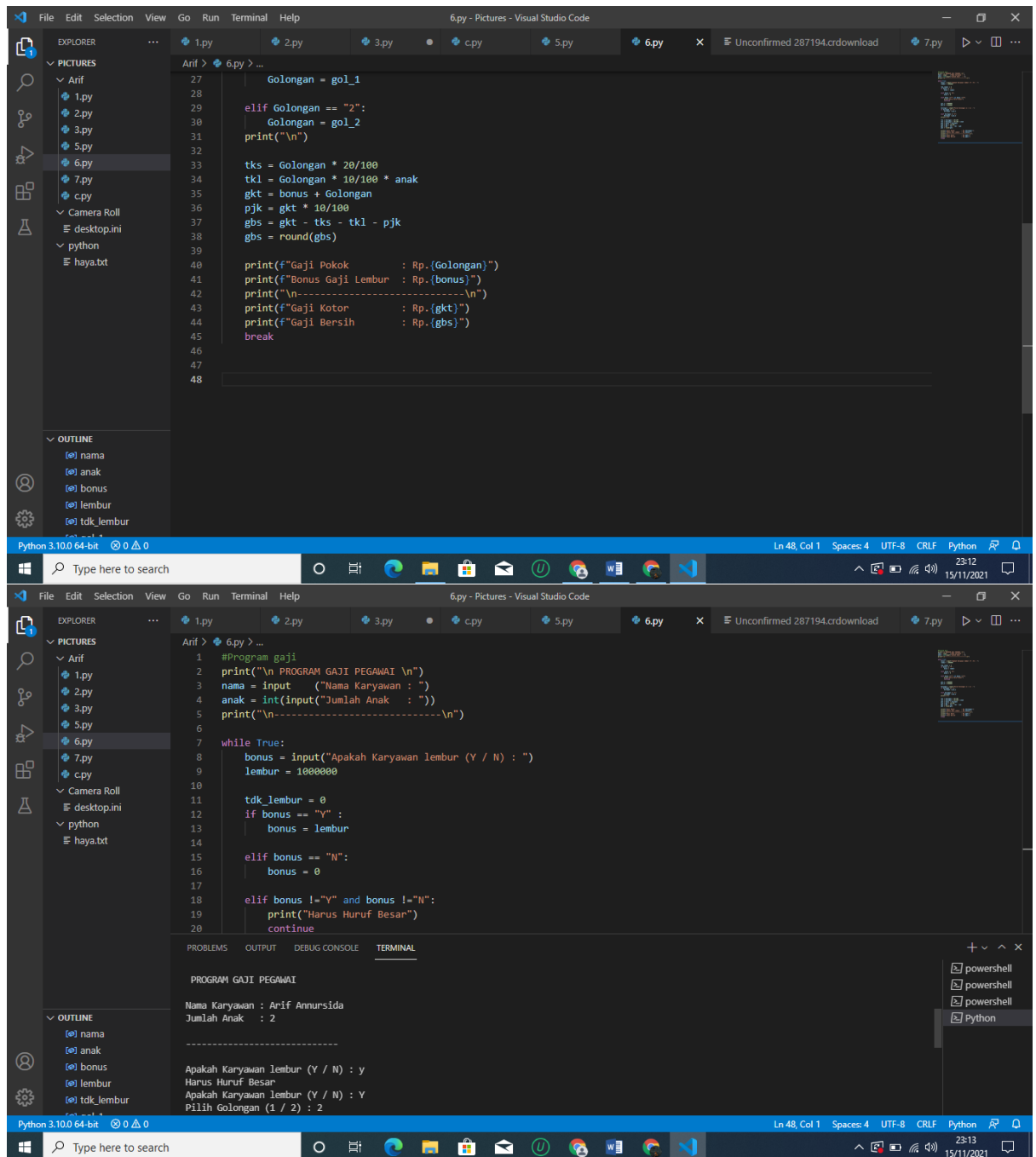
TAGIHAN
Abonemen : Rp. 20000
Biaya percakapan: Rp. 66000
Biaya SMS : Rp. 19800
Total Tagihan : Rp. 85800
```

## 6. Program gaji



The screenshot shows a Visual Studio Code window with a Python file named `6.py` open. The code is a program to calculate salary. It prompts the user for their name, the number of children, and whether they are an overtime worker. It then calculates the salary based on a base rate of 3000000 for the children and 3500000 for the overtime worker. The output shows the salary for Arif, with 2 children and 1 overtime worker, resulting in a salary of 3800000.

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



The screenshot shows a Visual Studio Code window with a Python file named 6.py. The code is a program for calculating employee wages and bonuses. It prompts the user for the employee's name, number of children, and whether they are an overtime worker. It then calculates the base wage, bonus, and total wage. The terminal output shows the results for two employees: Gaji Pokok (Base Wage) and Bonus Gaji Lembur (Overtime Wage Bonus).

```
Arif > 6.py > ...
1 #Program gaji
2 print("\n PROGRAM GAJI PEGAWAI \n")
3 nama = input  ("Nama Karyawan : ")
4 anak = int(input("Jumlah Anak  : "))
5 print("\n-----\n")
6
7 while True:
8     bonus = input("Apakah Karyawan lembur (Y / N) : ")
9     lembur = 1000000
10
11     tdk_lembur = 0
12     if bonus == "Y" :
13         bonus = lembur
14
15     elif bonus == "N":
16         bonus = 0
17
18     elif bonus != "Y" and bonus != "N":
19         print("Harus Huruf Besar")
20         continue
21
22 Gaji Pokok      : Rp.3500000
23 Bonus Gaji Lembur : Rp.1000000
24
25 -----
26 Gaji Kotor      : Rp.4500000
27 Pictures/Arif/6.py"
```

Python 3.10.0 64-bit

## 7. Program rupiah dalm pecahan

The screenshot shows a Visual Studio Code window with a Python file named 7.py. The code is a program for converting a value into Indonesian Rupiah denominations. It prompts the user for a value and then calculates the number of 1000, 200, 50, and 10 Rupiah notes. The terminal output shows the results for a value of 2550.

```
Arif > 7.py > ...
1 nUang = int(input("Masukkan nilai uang : "))
2 p1000 = nUang // 1000
3 sisa_nUang = nUang % 1000
4 p200 = sisa_nUang // 200
5 sisa_nUang = sisa_nUang % 200
6 p50 = sisa_nUang // 50
7 sisa_nUang = sisa_nUang % 50;
8
9 print()
10 print("Nilai uang = ", nUang)
11 print(p1000, "(seribuan) + ", p200, "(duaratusan)", p50, "(limapuluhan)")
```

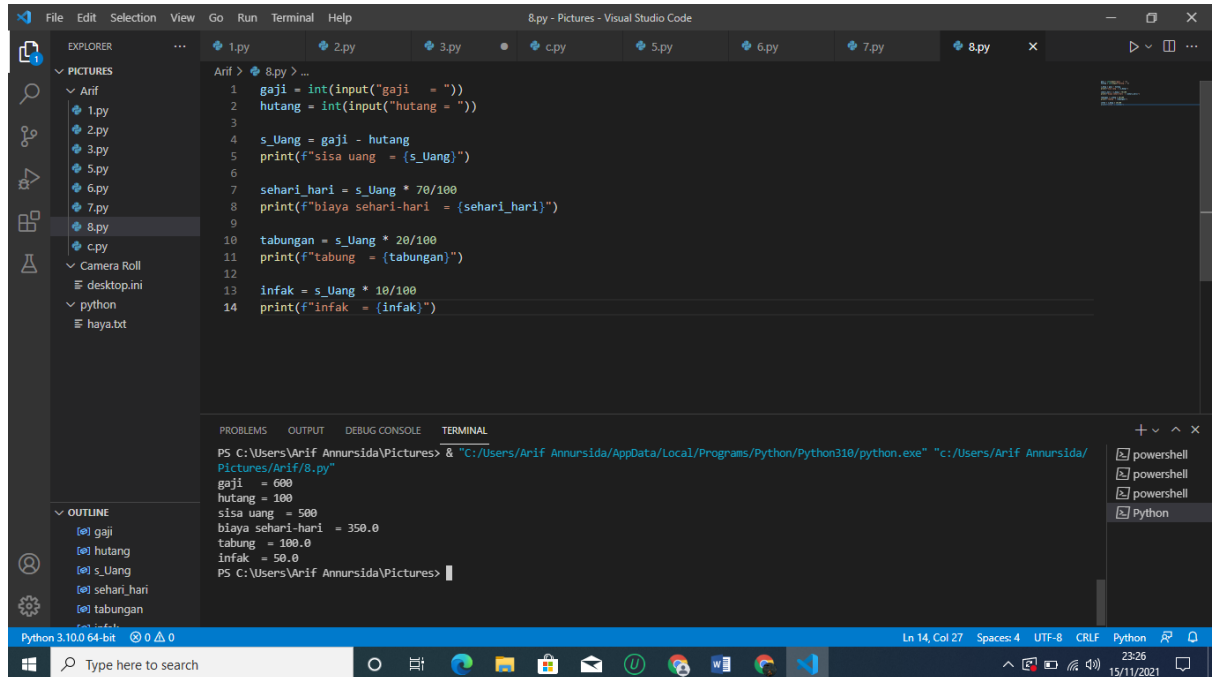
PS C:\Users\Arif Annursida\Pictures> & "C:\Users\Arif Annursida\AppData\Local\Programs\Python\Python310\python.exe" "c:\Users\Arif Annursida\Pictures\Arif\7.py"

Masukkan nilai uang : 2550

Nilai uang = 2550  
2 (seribuan) + 2 (duaratusan) 3 (limapuluhan)

Python 3.10.0 64-bit

## 8. Program pegawai membagi keuangan



The screenshot displays the Visual Studio Code interface with a Python file named `8.py` open. The code calculates an employee's remaining money, daily expenses, savings, and infak based on their salary and debt. The terminal shows the execution results for input values of 600 for salary and 100 for debt.

```
Arif > 8.py > ...
1 gaji = int(input("gaji = "))
2 hutang = int(input("hutang = "))
3
4 s_Uang = gaji - hutang
5 print(f"sisa uang = {s_Uang}")
6
7 sehari_hari = s_Uang * 70/100
8 print(f"biaya sehari-hari = {sehari_hari}")
9
10 tabungan = s_Uang * 20/100
11 print(f"tabung = {tabungan}")
12
13 infak = s_Uang * 10/100
14 print(f"infak = {infak}")
```

Terminal Output:

```
PS C:\Users\Arif Annursida\Pictures> & "C:/Users/Arif Annursida/AppData/Local/Programs/Python/Python310/python.exe" "c:/Users/Arif Annursida/Pictures/Arif/8.py"
gaji = 600
hutang = 100
sisa uang = 500
biaya sehari-hari = 350.0
tabung = 100.0
infak = 50.0
PS C:\Users\Arif Annursida\Pictures>
```

OUTLINE:

- (e) gaji
- (e) hutang
- (e) s\_Uang
- (e) sehari\_hari
- (e) tabungan