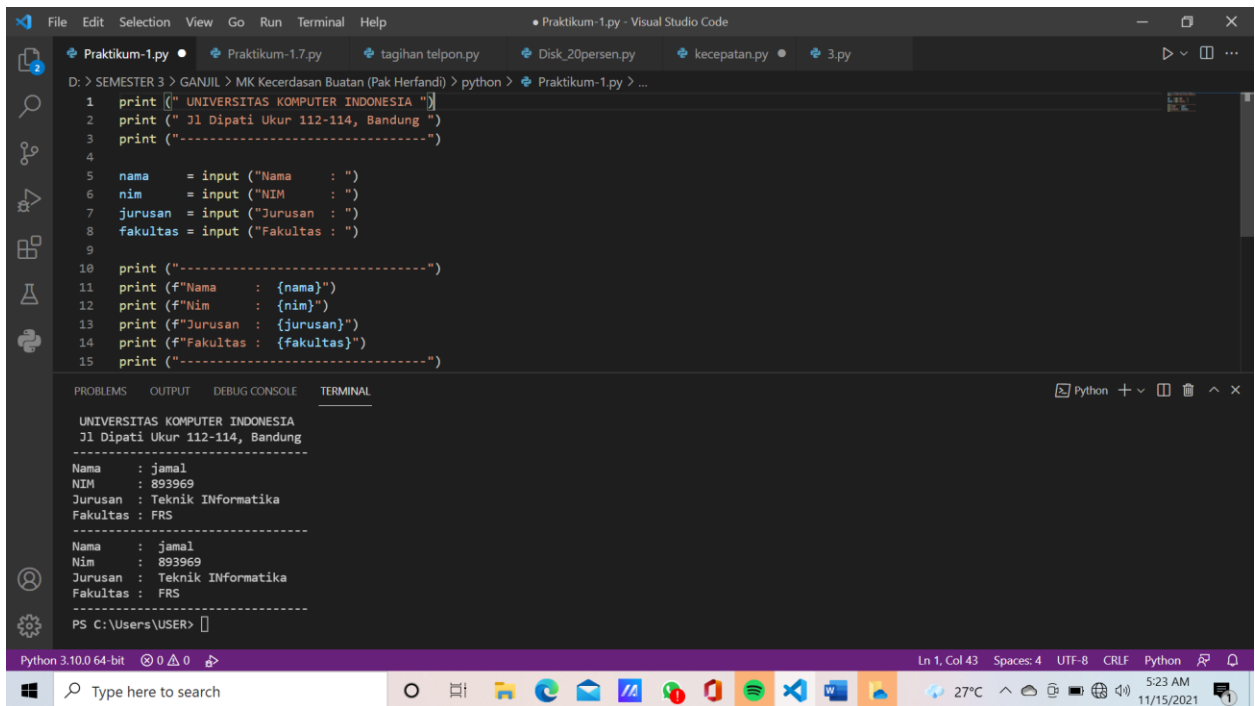


Nama : Virna Febri Andini
Nim : 20.01.013.017
MK :Kecerdasan Buatan

Praktikum 1

1.



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

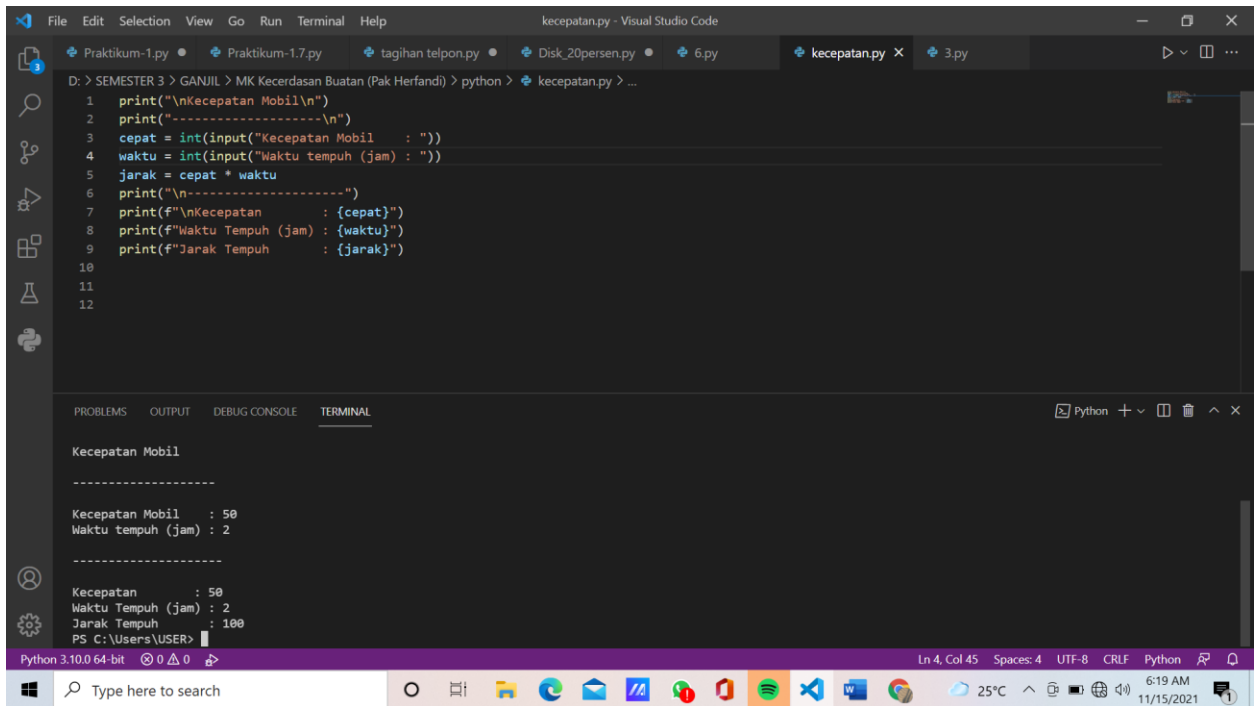
```
1 print (" UNIVERSITAS KOMPUTER INDONESIA ")
2 print (" Jl Dipati Ukur 112-114, Bandung ")
3 print ("-----")
4
5 nama = input ("Nama : ")
6 nim = input ("NIM : ")
7 jurusan = input ("Jurusan : ")
8 fakultas = input ("Fakultas : ")
9
10 print ("-----")
11 print (f"Nama : {nama}")
12 print (f"Nim :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

The terminal window at the bottom shows the output of the script after running it:

```
UNIVERSITAS KOMPUTER INDONESIA
Jl Dipati Ukur 112-114, Bandung
-----
Nama : jama1
NIM : 893969
Jurusan : Teknik INformatika
Fakultas : FRS
-----
Nama : jama1
Nim : 893969
Jurusan : Teknik INformatika
Fakultas : FRS
-----
PS C:\Users\USER>
```

The status bar at the bottom indicates the file is encoded in UTF-8 with CRLF line endings, and the Python version is 3.10.0 64-bit.

2.



The screenshot shows the Visual Studio Code interface with a Python file named 'kecepatan.py' open. The code calculates speed based on distance and time. The terminal output shows the program running with inputs 50 for speed and 2 for time, resulting in a distance of 100.

```
D: > SEMESTER 3 > GANJIL > MK Kecerdasan Buatan (Pak Herfandi) > python > kecepatan.py > ...
1 print("\nKecepatan Mobil\n")
2 print("-----\n")
3 cepat = int(input("Kecepatan Mobil : "))
4 waktu = int(input("Waktu tempuh (jam) : "))
5 jarak = cepat * waktu
6 print("\n-----")
7 print(f"\nKecepatan      : {cepat}")
8 print(f"Waktu Tempuh (jam) : {waktu}")
9 print(f"Jarak Tempuh      : {jarak}")
10
11
12
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

Kecepatan Mobil

Kecepatan Mobil : 50
Waktu tempuh (jam) : 2

Kecepatan : 50
Waktu Tempuh (jam) : 2
Jarak Tempuh : 100

PS C:\Users\USER>

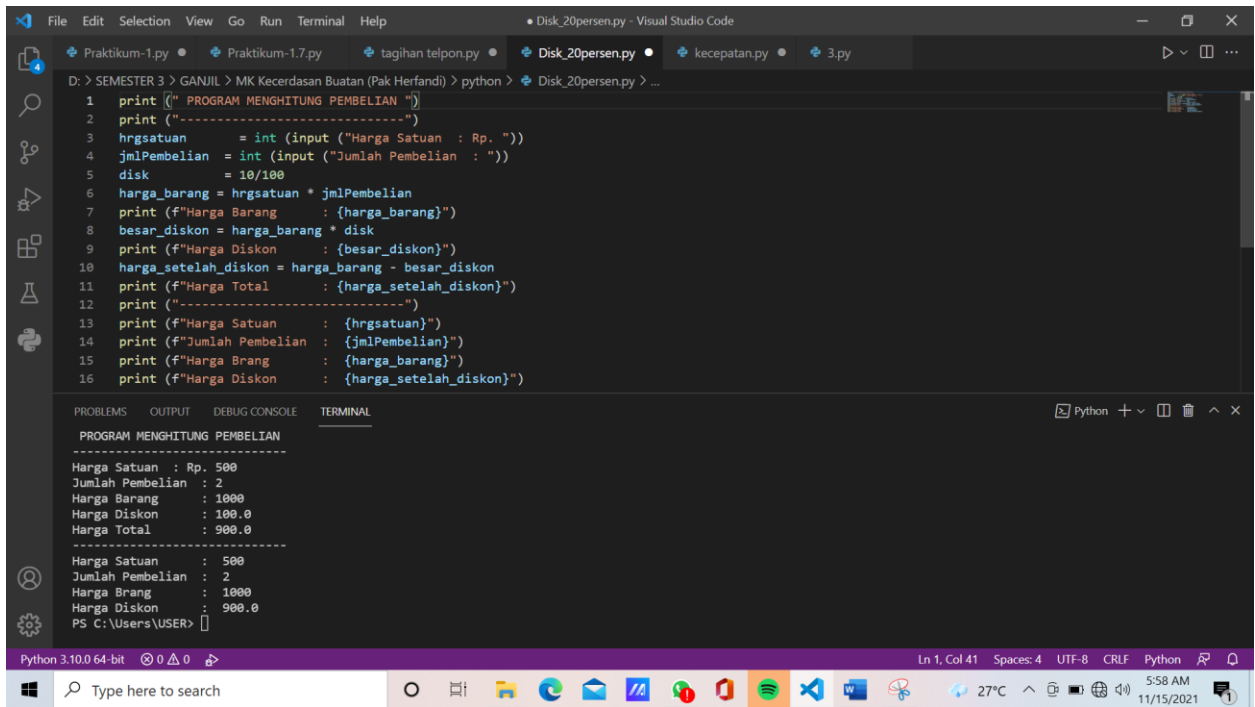
Python 3.10.0 64-bit

Ln 4, Col 45 Spaces: 4 UTF-8 CRLF Python

Type here to search

25°C 6:19 AM 11/15/2021

3.



The screenshot shows the Visual Studio Code interface with a Python file named 'Disk_20persen.py' open. The code calculates the price of a product after a 20% discount. The terminal output shows the program running with inputs 500 for unit price and 2 for quantity, resulting in a total price of 900.0 after a 20% discount.

```
D: > SEMESTER 3 > GANJIL > MK Kecerdasan Buatan (Pak Herfandi) > python > Disk_20persen.py > ...
1 print([" PROGRAM MENGHITUNG PEMBELIAN "])
2 print("-----")
3 hrsatuan = int(input("Harga Satuan : Rp. "))
4 jmlPembelian = int(input("Jumlah Pembelian : "))
5 disk = 10/100
6 harga_barang = hrsatuan * jmlPembelian
7 print(f"Harga Barang : {harga_barang}")
8 besar_diskon = harga_barang * disk
9 print(f"Harga Diskon : {besar_diskon}")
10 harga_setelah_diskon = harga_barang - besar_diskon
11 print(f"Harga Total : {harga_setelah_diskon}")
12 print("-----")
13 print(f"Harga Satuan : {hrsatuan}")
14 print(f"Jumlah Pembelian : {jmlPembelian}")
15 print(f"Harga Brang : {harga_barang}")
16 print(f"Harga Diskon : {harga_setelah_diskon}")
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

PROGRAM MENGHITUNG PEMBELIAN

Harga Satuan : Rp. 500
Jumlah Pembelian : 2
Harga Barang : 1000
Harga Diskon : 100.0
Harga Total : 900.0

Harga Satuan : 500
Jumlah Pembelian : 2
Harga Brang : 1000
Harga Diskon : 900.0

PS C:\Users\USER>

Python 3.10.0 64-bit

Ln 1, Col 41 Spaces: 4 UTF-8 CRLF Python

Type here to search

27°C 5:58 AM 11/15/2021

4.

```

D: > SEMESTER 3 > GANJIL > MK Kecerdasan Buatan (Pak Herfandi) > python > 3.py > hrgsatuan
1 hrgsatuan = int(input("Masukkan harga satuan (Rp) : "))
2 jml = int(input("Masukkan jumlah pembelian : "))
3 disk = float(input("Masukkan besar diskon (%) : "))
4
5 biaya_disk = disk / 100
6 hrgdisk = hrgsatuan * jml * biaya_disk
7 hrgtotal = hrgsatuan * jml - hrgdisk
8
9 print("PROGRAM PENJUALAN BUKU")
10 print("-----")
11 print("Harga Satuan : Rp.", hrgsatuan)
12 print("Jumlah Pembelian : ", jml)
13 print("Diskon : ", round(disk, "%"))
14 print("Harga Total : Rp.", round(hrgtotal))
15 print("-----")
16
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
Masukkan harga satuan (Rp) : 45
Masukkan jumlah pembelian : 2
Masukkan besar diskon (%) : 10
PROGRAM PENJUALAN BUKU
-----
Harga Satuan : Rp. 45
Jumlah Pembelian : 2
Diskon : 10 %
Harga Total : Rp. 81
-----
PS C:\Users\USER>

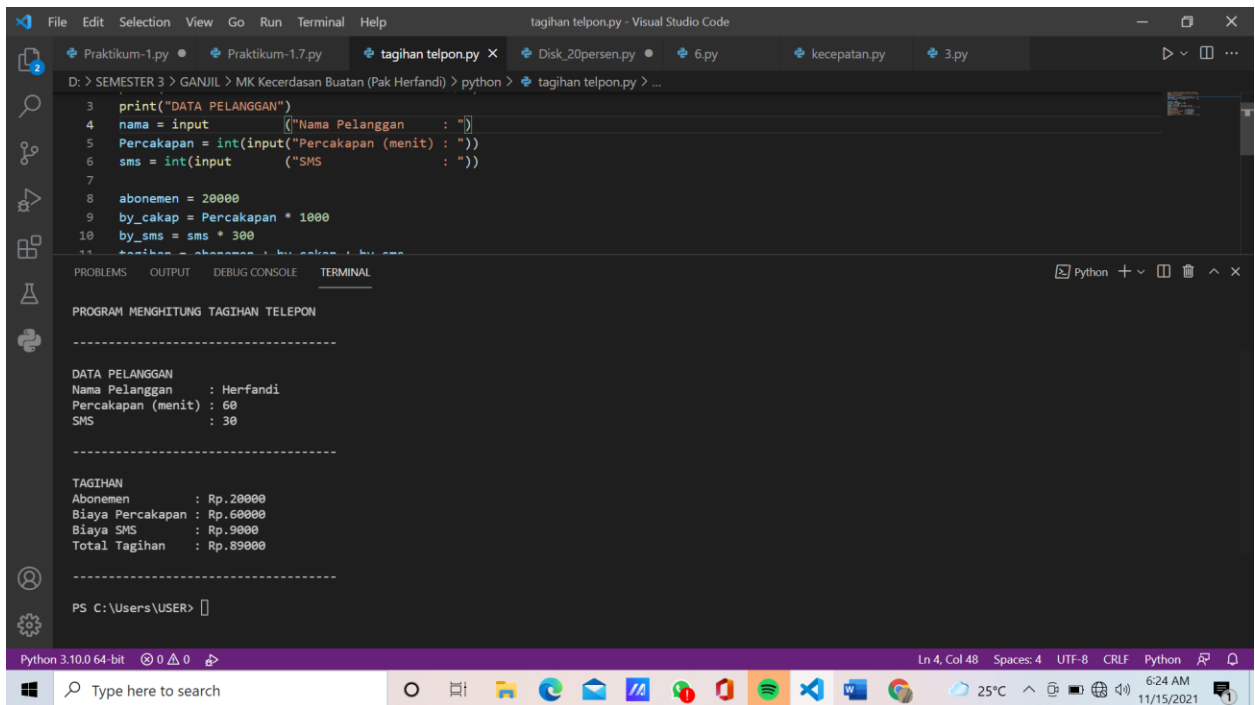
```

5.

```

D: > SEMESTER 3 > GANJIL > MK Kecerdasan Buatan (Pak Herfandi) > python > tagihan telpon.py > ...
1 print("\nPROGRAM MENGHITUNG TAGIHAN TELEPON\n")
2 print("-----\n")
3 print("DATA PELANGGAN")
4 nama = input("Nama Pelanggan : ")
5 Percakapan = int(input("Percakapan (menit) : "))
6 sms = int(input("SMS : "))
7
8 abonemen = 20000
9 by_cakap = Percakapan * 1000
10 by_sms = sms * 300
11 tagihan = abonemen + by_cakap + by_sms
12 print("\n-----\n")
13 print("TAGIHAN")
14 print(f"Abonemen : Rp.{abonemen}")
15 print(f"Biaya Percakapan : Rp.{by_cakap}")
16 print(f"Biaya SMS : Rp.{by_sms}")
17 print(f"Total Tagihan : Rp.{tagihan}")
18 print("\n-----\n")
19

```



```
3 print("DATA PELANGGAN")
4 nama = input(("Nama Pelanggan : "))
5 Percakapan = int(input("Percakapan (menit) : "))
6 sms = int(input("SMS : "))
7
8 abonemen = 20000
9 by_cakap = Percakapan * 1000
10 by_sms = sms * 300
11 tagihan = abonemen + by_cakap + by_sms

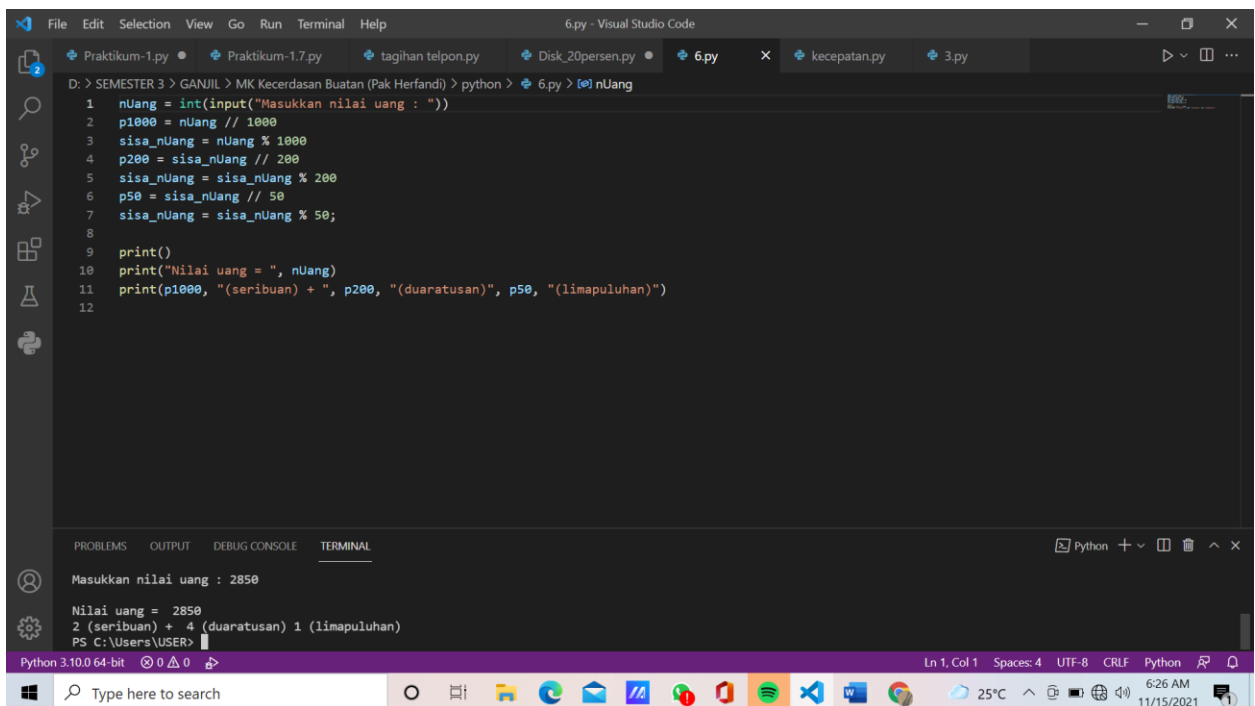
PROGRAM MENGHITUNG TAGIHAN TELEPON

-----
DATA PELANGGAN
Nama Pelanggan : Herfandi
Percakapan (menit) : 60
SMS : 30
-----

TAGIHAN
Abonemen : Rp.20000
Biaya Percakapan : Rp.60000
Biaya SMS : Rp.9000
Total Tagihan : Rp.89000
-----

PS C:\Users\USER>
```

6.



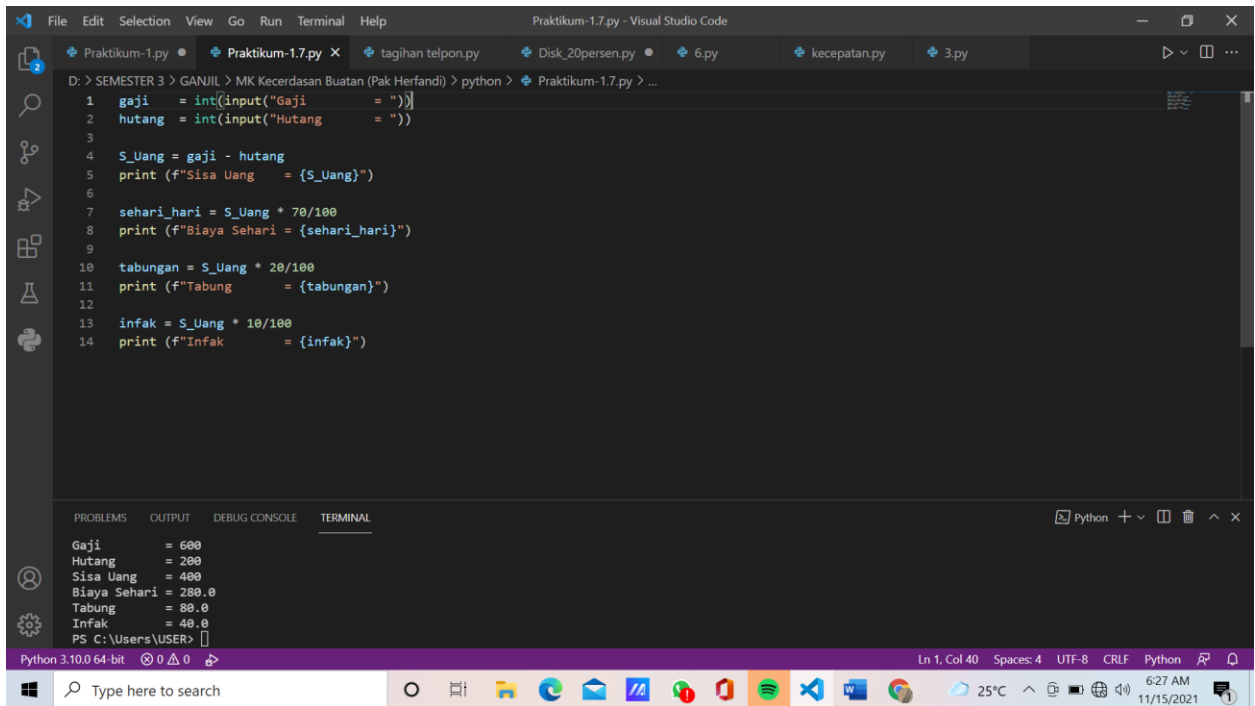
```
1 nUang = int(input("Masukkan nilai uang : "))
2 p1000 = nUang // 1000
3 sisa_nUang = nUang % 1000
4 p200 = sisa_nUang // 200
5 sisa_nUang = sisa_nUang % 200
6 p50 = sisa_nUang // 50
7 sisa_nUang = sisa_nUang % 50;
8
9 print()
10 print("Nilai uang = ", nUang)
11 print(p1000, "(seribu)" + ", " + p200, "(duaratusan)" + ", " + p50, "(limapuluhan)")
12
```

Masukkan nilai uang : 2850

Nilai uang = 2850
2 (seribu) + 4 (duaratusan) 1 (limapuluhan)

PS C:\Users\USER>

7.



The image shows a Visual Studio Code window with a Python file named 'Praktikum-1.7.py' open. The script calculates financial values based on user input. The terminal shows the execution results for inputs of 600 for 'Gaji' and 200 for 'Hutang'.

```
D: > SEMESTER 3 > GANJIL > MK Kecerdasan Buatan (Pak Herfandi) > python > Praktikum-1.7.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 = {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}")
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

```
Gaji = 600
Hutang = 200
Sisa Uang = 400
Biaya Sehari = 280.0
Tabung = 80.0
Infak = 40.0
PS C:\Users\USER>
```

Python 3.10.0 64-bit 0 0 0 Ln 1, Col 40 Spaces: 4 UTF-8 CRLF Python 6:27 AM 11/15/2021