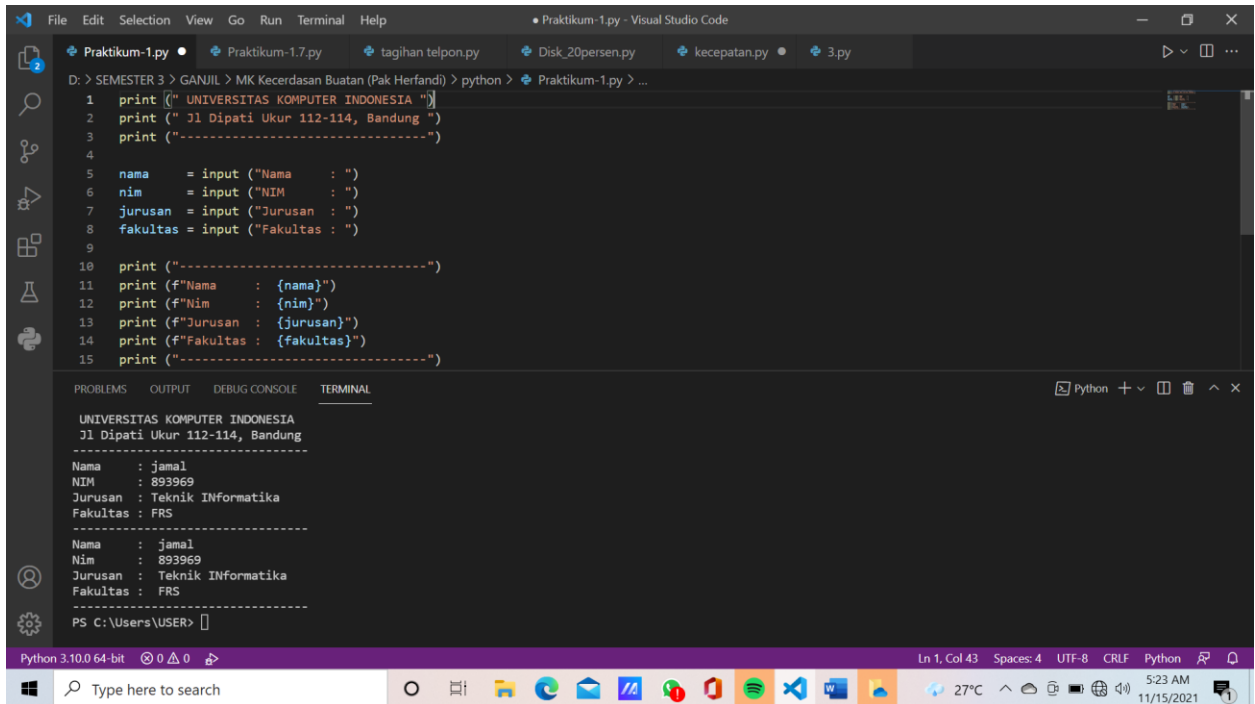


Nama : Sulastris
Nim : 20.01.013.015
MK :Kecerdasan Buatan

Praktikum 1

1.



The screenshot shows the Visual Studio Code interface with a Python file named 'Praktikum-1.py' open. The code is a script that prints university information and prompts for user input. The terminal window at the bottom shows the execution of the script, displaying the printed information and the user's input for name, NIM, department, and faculty.

```
D: > SEMESTER 3 > GANJIL > MK Kecerdasan Buatan (Pak Herfandi) > python > Praktikum-1.py > ...  
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 ("-----")
```

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>

2.

The screenshot shows a Visual Studio Code window with a Python file named `kecepatan.py`. The code calculates speed and distance based on user input. 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 a Visual Studio Code window with a Python file named `Disk_20persen.py`. The code calculates the total price after a 20% discount based on unit price and quantity. 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 discount of 100.0.

```
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.

```

File Edit Selection View Go Run Terminal Help
3.py - Visual Studio Code
Praktikum-1.py • Praktikum-1.7.py • tagihan telpon.py • Disk_20persen.py • 6.py • kecepatan.py • 3.py x
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>
Python 3.10.0 64-bit 0 0 0 0 Ln 1, Col 1 Spaces: 4 UTF-8 CRLF Python 6:22 AM 11/15/2021
Type here to search

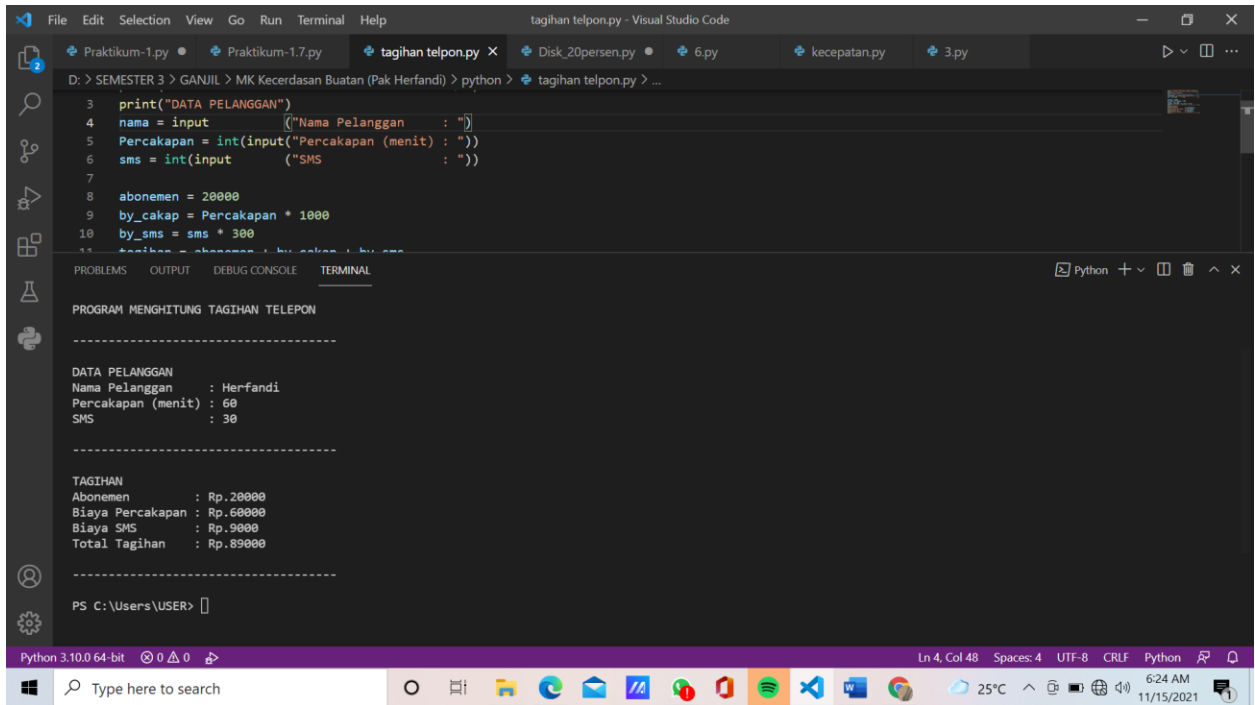
```

5.

```

File Edit Selection View Go Run Terminal Help
tagihan telpon.py - Visual Studio Code
Praktikum-1.py • Praktikum-1.7.py • tagihan telpon.py • Disk_20persen.py • 6.py • kecepatan.py • 3.py
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
Python 3.10.0 64-bit 0 0 0 0 Ln 1, Col 48 Spaces: 4 UTF-8 CRLF Python 6:23 AM 11/15/2021
Type here to search

```



```
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

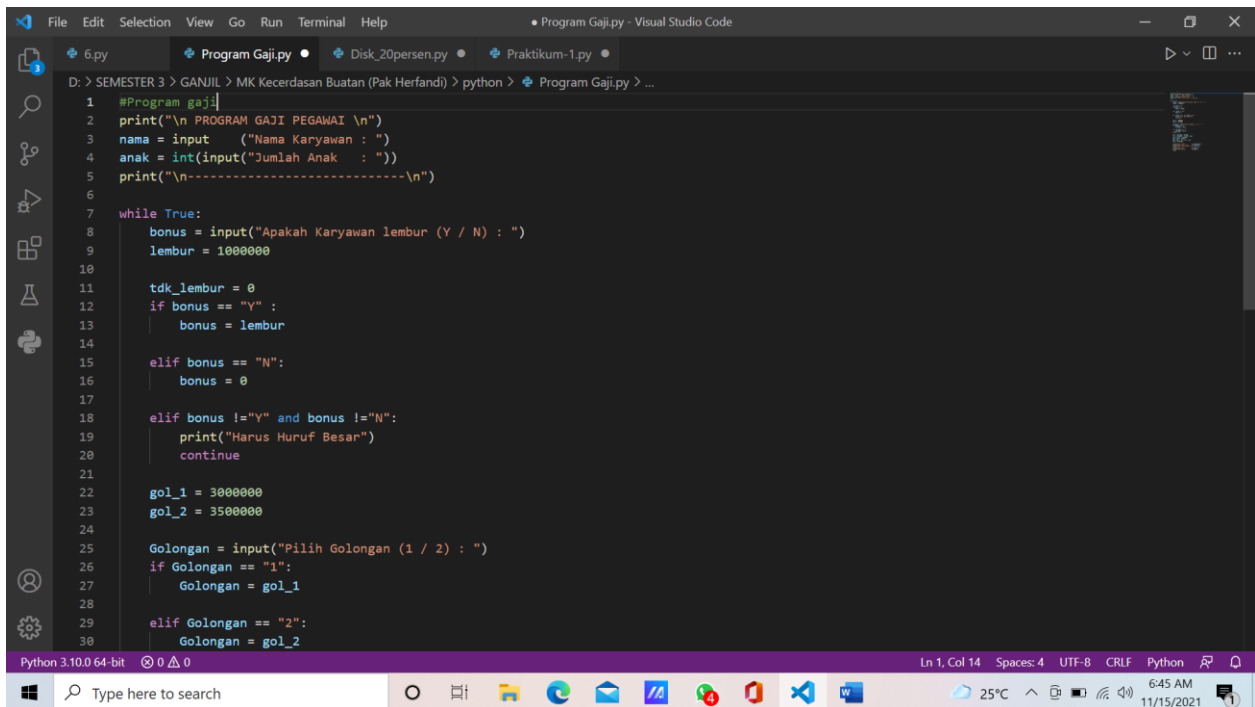
PROGRAM MENGHITUNG TAGIHAN TELEPON

-----
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 #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
```

```
File Edit Selection View Go Run Terminal Help
Program Gaji.py - Visual Studio Code

6.py Program Gaji.py Disk_20persen.py Praktikum-1.py
D:\SEMESTER 3 > GANJIL > MK Kecerdasan Buatan (Pak Herfandi) > python > Program Gaji.py > ...

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
34 tk1 = Golongan * 10/100 * anak
35 gkt = bonus + Golongan
36 pjk = gkt * 10/100
37 gbs = gkt - tks - tk1 - pjk
38 gbs = round(gbs)
39
40 print(f"Gaji Pokok      : Rp.{Golongan}")
41 print(f"Bonus Gaji Lembur : Rp.{bonus}")
42 print("\n-----\n")
43 print(f"Gaji Kotor      : Rp.{gkt}")
44 print(f"Gaji Bersih      : Rp.{gbs}")
45 break
46

Python 3.10.0 64-bit 0 0 0 Ln 1, Col 14 Spaces: 4 UTF-8 CRLF Python
```

```
File Edit Selection View Go Run Terminal Help
Program Gaji.py - Visual Studio Code

6.py Program Gaji.py Disk_20persen.py Praktikum-1.py
D:\SEMESTER 3 > GANJIL > MK Kecerdasan Buatan (Pak Herfandi) > python > Program Gaji.py > ...

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":

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
Python

PROGRAM GAJI PEGAWAI

Nama Karyawan : Herfandi
Jumlah Anak   : 3

-----

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

Gaji Pokok      : Rp.3500000
Bonus Gaji Lembur : Rp.0

-----

Gaji Kotor      : Rp.3500000
Gaji Bersih     : Rp.1400000
PS C:\Users\USER>
```

7.

The screenshot shows a Visual Studio Code editor with a Python file named `6.py`. The code calculates the change from a 2850 Rupiah bill using integer division and modulo operations. The terminal output shows the input and the resulting change breakdown.

```
D: > SEMESTER 3 > GANJIL > MK Kecerdasan Buatan (Pak Herfandi) > python > 6.py > nUang
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)")
12
```

TERMINAL

```
Masukkan nilai uang : 2850
Nilai uang = 2850
2 (seribuan) + 4 (duaratusan) 1 (limapuluhan)
PS C:\Users\USER>
```

8.

9.

The screenshot shows a Visual Studio Code editor with a Python file named `Praktikum-1.7.py`. The code calculates daily expenses and savings from a salary of 600,000 Rupiah. The terminal output shows the calculated values for each category.

```
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}")
```

TERMINAL

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