

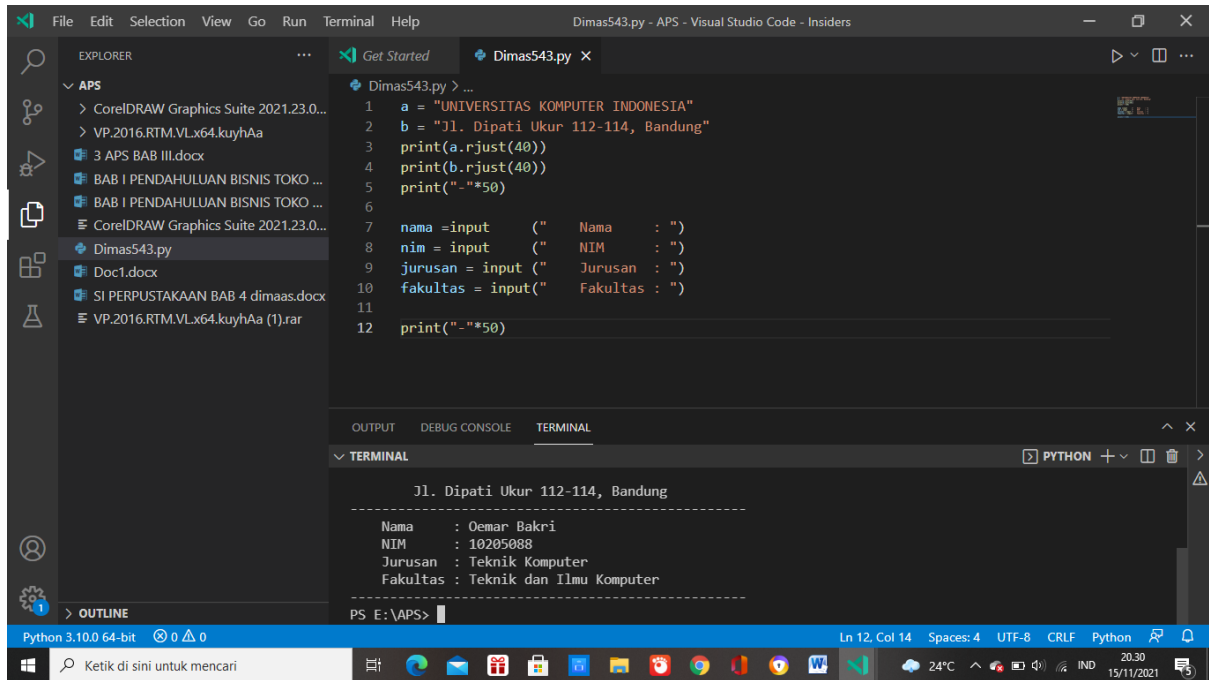
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Matkul : Artificial Intelligence

Praktikum Python 1

I).



The screenshot shows the Visual Studio Code editor with a file named `Dimas543.py` open. The code in the editor is as follows:

```
1 a = "UNIVERSITAS KOMPUTER INDONESIA"
2 b = "Jl. Dipati Ukur 112-114, Bandung"
3 print(a.rjust(40))
4 print(b.rjust(40))
5 print("-"*50)
6
7 nama = input ("    Nama    : ")
8 nim = input ("    NIM    : ")
9 jurusan = input ("    Jurusan : ")
10 fakultas = input("    Fakultas : ")
11
12 print("-"*50)
```

The terminal window at the bottom shows the output of the script, which includes the right-aligned strings and a prompt for user input. The user has entered the following information:

```
Jl. Dipati Ukur 112-114, Bandung
-----
Nama      : Oemar Bakri
NIM       : 19295088
Jurusan   : Teknik Komputer
Fakultas  : Teknik dan Ilmu Komputer
-----
PS E:\APS>
```

4.10 Praktikum

I).

The screenshot shows the Visual Studio Code interface with a file explorer on the left containing a folder named 'APS'. The main editor displays a Python file named 'Dimas543.py' with the following code:

```
1 a = "DATA KECEPATAN MOBIL"
2 print(a.rjust(35))
3 print("-"*50)
4 kr = int(input("Kecepatan rata-rata (km/jam) : "))
5 waktu = int(input("Waktu tempuh (jam) : "))
6
7
8 jarak = kr * waktu
9 print(f"Jarak tempuh          : {jarak} km")
10
```

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

```
PS E:\APS> & C:/Users/ASUS/AppData/Local/Programs/Python/Python310/python.exe e:/APS/Dimas543.py
DATA KECEPATAN MOBIL
-----
Kecepatan rata-rata (km/jam) : 20
Waktu tempuh (jam)          : 10
Jarak tempuh                : 200 km
PS E:\APS>
```

II).

The screenshot shows the Visual Studio Code interface with the same 'APS' folder in the file explorer. The main editor displays a Python file named 'Dimas543.py' with the following code:

```
1 a = "PROGRAM MENGHINTUNG 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 at the bottom shows the command to run the script and its output:

```
PS E:\APS> & C:/Users/ASUS/AppData/Local/Programs/Python/Python310/python.exe e:/APS/Dimas543.py
PROGRAM MENGHINTUNG PEMBELIAN
-----
Harga satuan : Rp. 9000
Jumlah pembelian : 4
Harga Total : Rp. 3600.0
PS E:\APS>
```

III).

The screenshot shows the Visual Studio Code interface with a file explorer on the left containing a project named 'APS'. The main editor displays a file named 'Dimas543.py' with the following Python code:

```
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)
```

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

```
Program Penjualan Buku
-----
Harga Buku : Rp. 5000
Jumlah pembelian : 2
Diskon : 5
Harga Total : Rp. 50000.0
-----
PS E:\APS>
```

IV).

The screenshot shows the Visual Studio Code interface with a file explorer on the left containing a project named 'APS'. The main editor displays a file named 'Dimas543.py' with the following Python code:

```
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}")
```

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

```
=====
DATA PELANGGAN
Nama Pelanggan : Dimas Maulana
Percakapan : 50
SMS : 20

TAGIHAN
Abonemen : Rp. 20000
Biaya percakapan: Rp. 50000
Biaya SMS : Rp. 6000
Total Tagihan : Rp. 56000
=====
```

V).

```

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" :

```

Terminal Output:

```

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

Gaji Pokok      : Rp.3500000
Bonus Gaji Lembur : Rp.1000000

-----

Gaji Kotor      : Rp.4500000
Gaji Bersih     : Rp.2650000
PS E:\APS>

```

VI).

```

1  g = int(input("Nilai Uang = "))
2  00 = nilai_uang // 1000
3  iUang = nilai_uang % 1000
4  0 = sisa_nilaiUang // 200
5  iUang = sisa_nilaiUang % 200
6  = sisa_nilaiUang // 50
7  iUang = sisa_nilaiUang % 50
8
9
10 lai uang = " , nilai_uang)
11 an1000 "(seribuan) + " pecahan200 "(duaratusan) + " pecahan50 "(limapuluhan)"

```

Terminal Output:

```

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

PS E:\APS> & C:/Users/ASUS/AppData/Local/Programs/Python/Python310/python.exe e:/APS/Dimas543.py
Nilai Uang = 3590

Nilai uang = 3590
3 (seribuan) + 2 (duaratusan) + 3 (limapuluhan)
PS E:\APS>

```

VII)

