

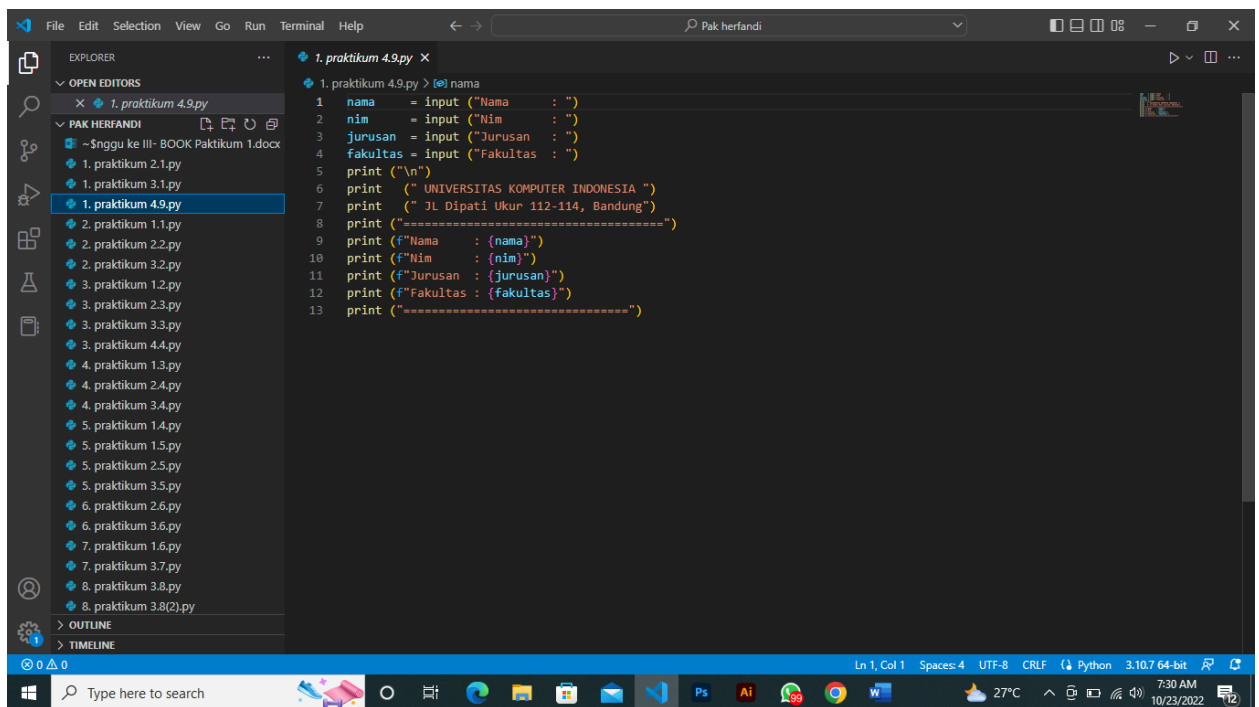
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KELAS : D/KECERDASAN BUATAN

Praktikum 1

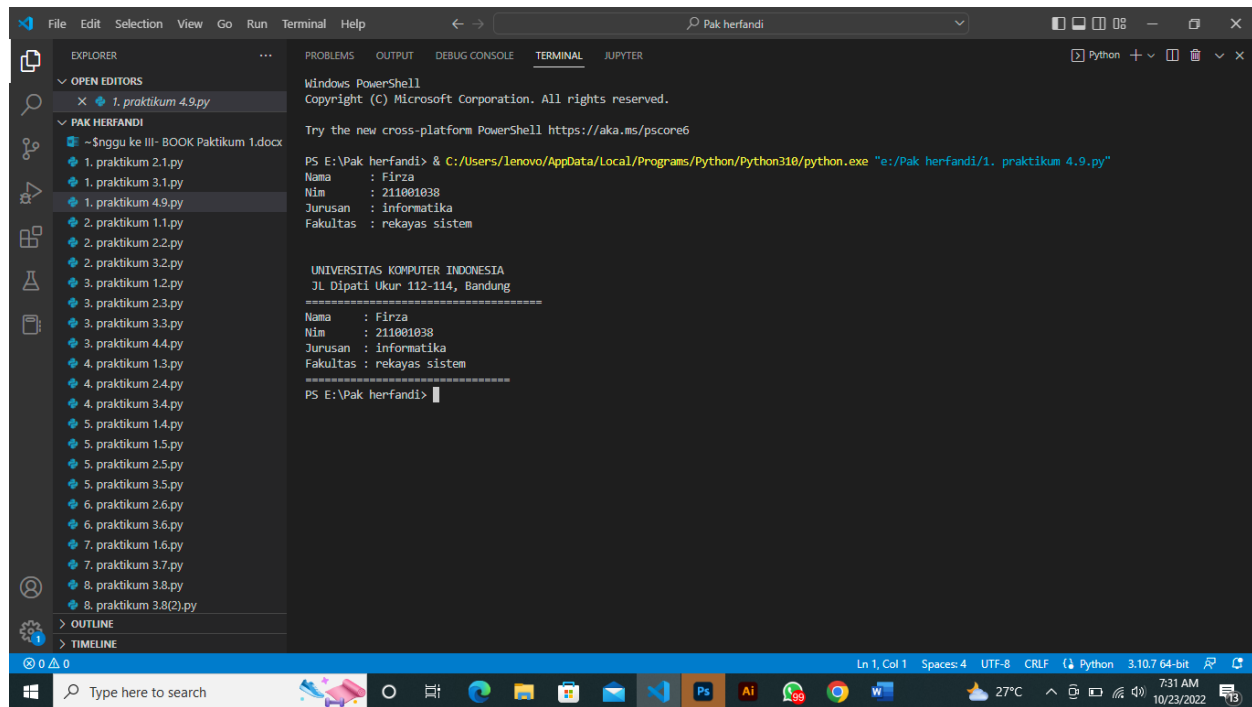
1. Praktikum 4.9



The screenshot shows a Visual Studio Code editor window with a dark theme. The Explorer sidebar on the left displays a file tree for a project named 'PAK HERFANDI'. The file '1.praktikum 4.9.py' is selected and open in the main editor. The code in the editor is a Python script that prompts the user for their name, NIM, major, and faculty, then prints the collected information in a formatted manner. The status bar at the bottom indicates the current line and column (Ln 1, Col 1), the file encoding (UTF-8), the line ending (CRLF), the interpreter (Python), and the architecture (3.10.7 64-bit). The Windows taskbar is visible at the very bottom, showing the search bar and various application icons.

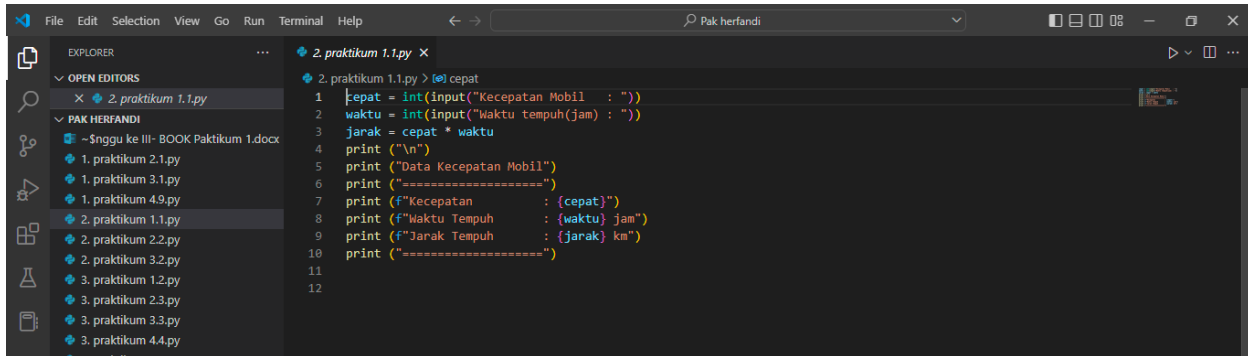
```
1. praktikum 4.9.py x
1  nama = input ("Nama : ")
2  nim  = input ("Nim  : ")
3  jurusan = input ("Jurusan : ")
4  fakultas = input ("Fakultas : ")
5  print ("\n")
6  print (" UNIVERSITAS KOMPUTER INDONESIA ")
7  print (" Jl Dipati Ukur 112-114, Bandung")
8  print ("=====")
9  print (f"Nama : {nama}")
10 print (f"Nim : {nim}")
11 print (f"Jurusan : {jurusan}")
12 print (f"Fakultas : {fakultas}")
13 print ("=====")
```

Run VS CODE



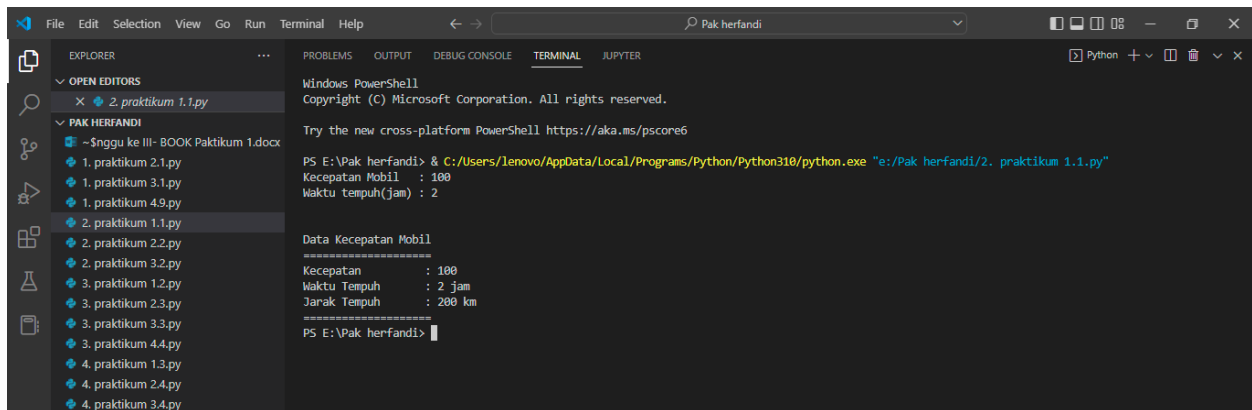
2. raktikum 1.1

VS CODE



```
1 cepat = int(input("Kecepatan Mobil : "))
2 waktu = int(input("Waktu tempuh(jam) : "))
3 jarak = cepat * waktu
4 print("\n")
5 print("Data Kecepatan Mobil")
6 print("=====")
7 print(f"Kecepatan      : {cepat}")
8 print(f"Waktu Tempuh    : {waktu} jam")
9 print(f"Jarak Tempuh      : {jarak} km")
10 print("=====")
11
12
```

RUN VS CODE



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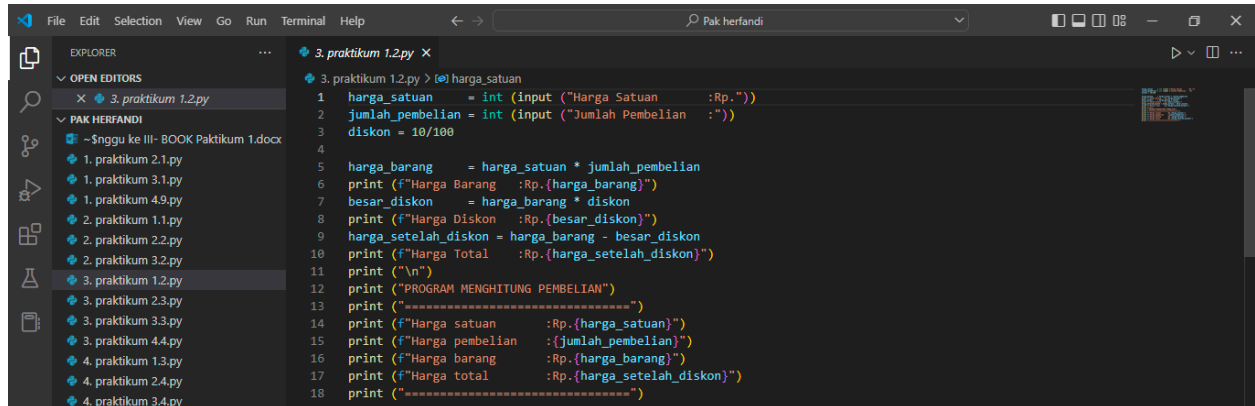
Try the new cross-platform PowerShell https://aka.ms/pscore6

PS E:\Pak herfandi> & C:/Users/lenovo/AppData/Local/Programs/Python/Python310/python.exe "e:/Pak herfandi/2. praktikum 1.1.py"
Kecepatan Mobil : 100
Waktu tempuh(jam) : 2

Data Kecepatan Mobil
=====
Kecepatan      : 100
Waktu Tempuh    : 2 jam
Jarak Tempuh      : 200 km
=====
PS E:\Pak herfandi>
```

3. Praktikum 1.2

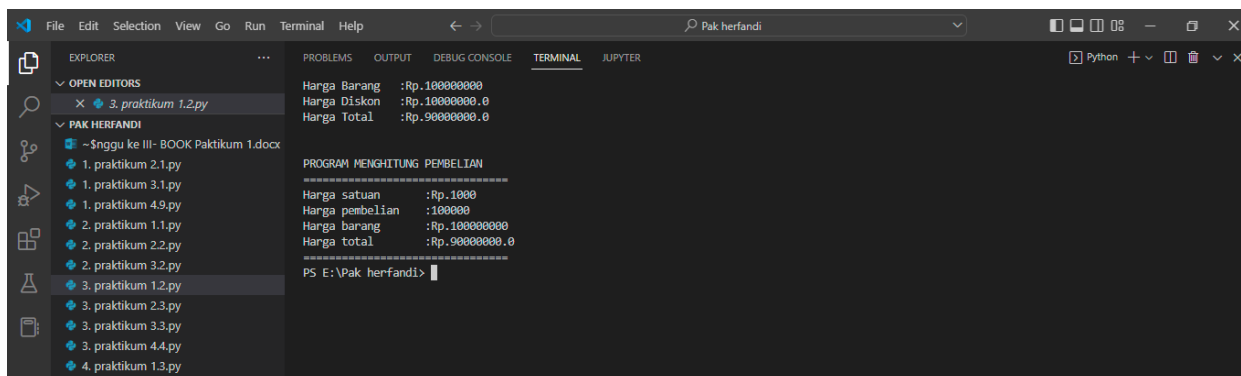
VS Code



The screenshot shows the VS Code editor with a file explorer on the left and a code editor on the right. The file explorer shows a project named 'PAK HERFANDI' with several Python files. The code editor shows the file '3. praktikum 1.2.py' with the following Python code:

```
1 harga_satuan = int(input("Harga Satuan :Rp. "))
2 jumlah_pembelian = int(input("Jumlah Pembelian : "))
3 diskon = 10/100
4
5 harga_barang = harga_satuan * jumlah_pembelian
6 print(f"Harga Barang :Rp.{harga_barang}")
7 besar_diskon = harga_barang * diskon
8 print(f"Harga Diskon :Rp.{besar_diskon}")
9 harga_setelah_diskon = harga_barang - besar_diskon
10 print(f"Harga Total :Rp.{harga_setelah_diskon}")
11 print("\n")
12 print("PROGRAM MENGHITUNG PEMBELIAN")
13 print("=====")
14 print(f"Harga satuan :Rp.{harga_satuan}")
15 print(f"Harga pembelian :Rp.{jumlah_pembelian}")
16 print(f"Harga barang :Rp.{harga_barang}")
17 print(f"Harga total :Rp.{harga_setelah_diskon}")
18 print("=====")
```

Run Vs Code



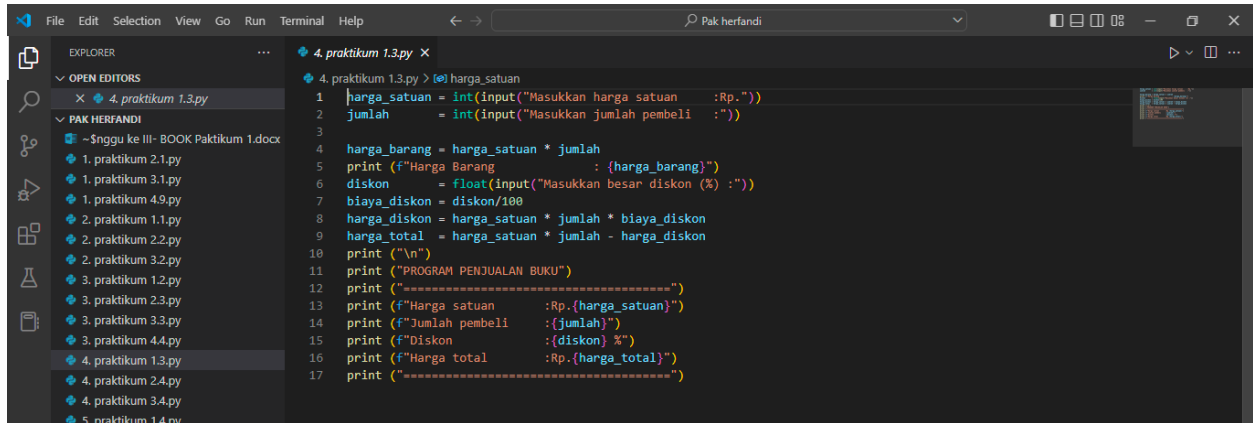
The screenshot shows the VS Code editor with the same file explorer on the left and a terminal window on the right. The terminal window shows the output of the Python script:

```
Harga Barang :Rp.100000000
Harga Diskon :Rp.10000000.0
Harga Total :Rp.90000000.0

PROGRAM MENGHITUNG PEMBELIAN
=====
Harga satuan :Rp.1000
Harga pembelian :100000
Harga barang :Rp.100000000
Harga total :Rp.90000000.0
=====
PS E:\Pak herfandi>
```

4. Praktikum 1.3

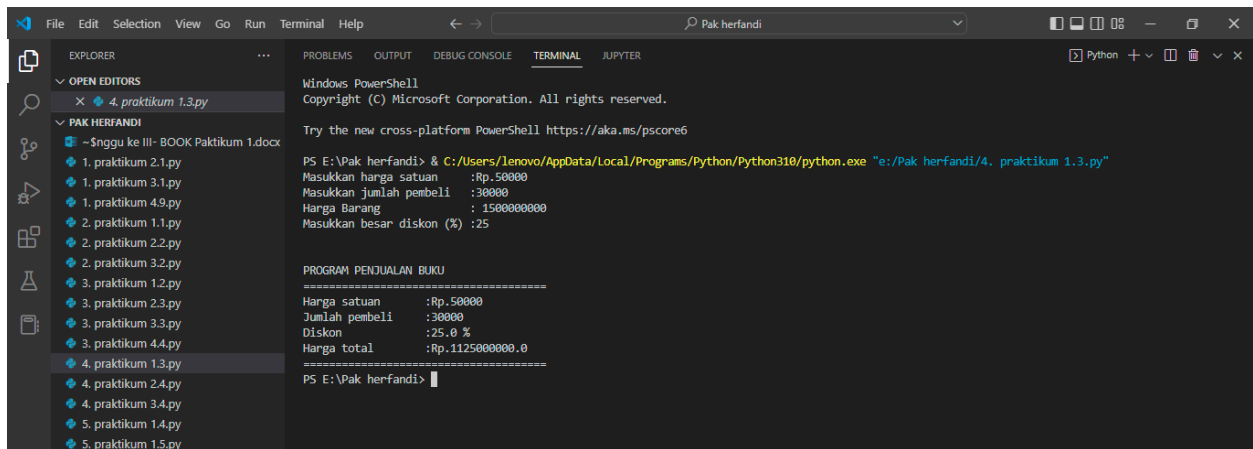
Vs Code



The screenshot shows the Visual Studio Code editor with the file explorer on the left and the editor window in the center. The file explorer shows a folder named 'PAK HERFANDI' containing several Python files. The editor window displays the code for '4. praktikum 1.3.py'.

```
1 harga_satuan = int(input("Masukkan harga satuan :Rp. "))
2 jumlah = int(input("Masukkan jumlah pembeli :"))
3
4 harga_barang = harga_satuan * jumlah
5 print(f"Harga Barang : {harga_barang}")
6 diskon = float(input("Masukkan besar diskon (%) :"))
7 biaya_diskon = diskon/100
8 harga_diskon = harga_satuan * jumlah * biaya_diskon
9 harga_total = harga_satuan * jumlah - harga_diskon
10 print("\n")
11 print("PROGRAM PENJUALAN BUKU")
12 print("=====")
13 print(f"Harga satuan :Rp.{harga_satuan}")
14 print(f"Jumlah pembeli :{jumlah}")
15 print(f"Diskon :{diskon} %")
16 print(f"Harga total :Rp.{harga_total}")
17 print("=====")
```

Run VS Code



The screenshot shows the Visual Studio Code editor with the file explorer on the left and the terminal window in the center. The terminal window displays the output of the program.

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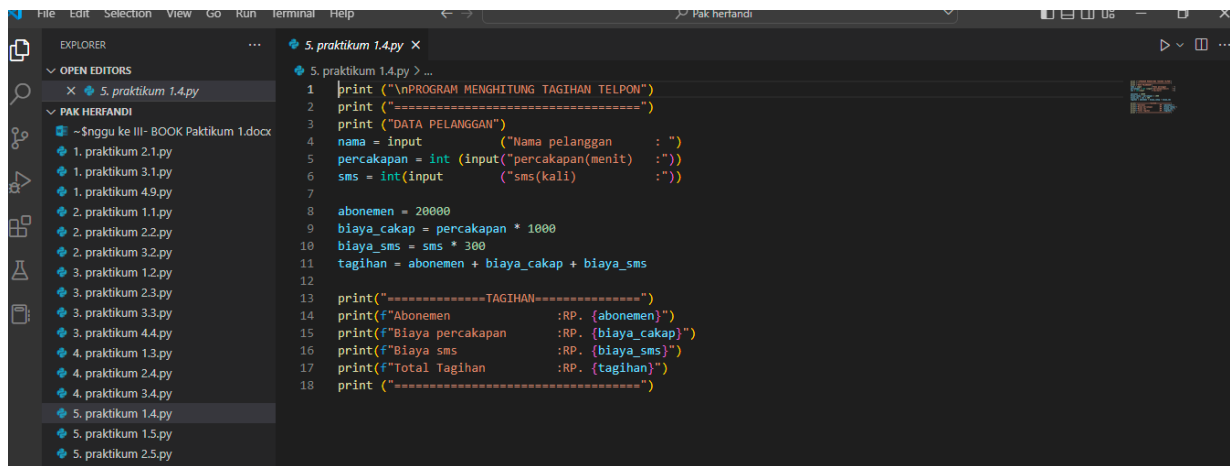
Try the new cross-platform PowerShell https://aka.ms/pscore6

PS E:\Pak herfandi> & C:\Users\lenovo\AppData\Local\Programs\Python\Python310\python.exe "e:/Pak herfandi/4. praktikum 1.3.py"
Masukkan harga satuan :Rp.50000
Masukkan jumlah pembeli :30000
Harga Barang : 1500000000
Masukkan besar diskon (%) :25

PROGRAM PENJUALAN BUKU
=====
Harga satuan :Rp.50000
Jumlah pembeli :30000
Diskon :25.0 %
Harga total :Rp.1125000000.0
=====
PS E:\Pak herfandi>
```

5. Praktikum 1.4

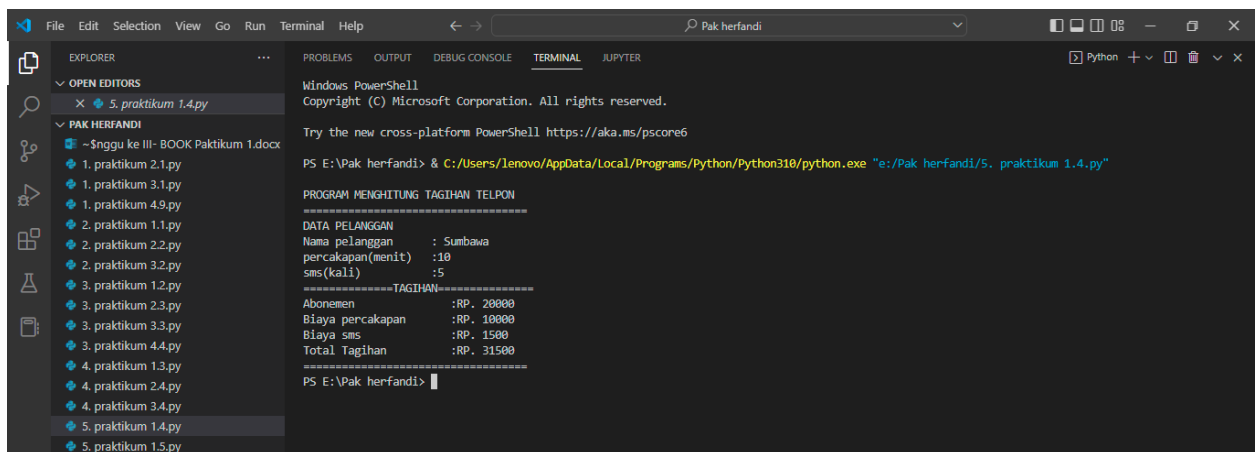
VS CODE



The screenshot shows the VS Code editor with a file named `5. praktikum 1.4.py` open. The code is a Python script that calculates a telephone bill based on user input for name, call duration, and SMS count. The script uses variables to store these values and calculates the total bill by adding a base fee, call charges, and SMS charges.

```
1 print ("\nPROGRAM MENGHITUNG TAGIHAN TELPON")
2 print ("=====")
3 print ("DATA PELANGGAN")
4 nama = input ("Nama pelanggan : ")
5 percakapan = int (input("percakapan(menit) :"))
6 sms = int(input ("sms(kali) :"))
7
8 abonemen = 20000
9 biaya_cakap = percakapan * 1000
10 biaya_sms = sms * 300
11 tagihan = abonemen + biaya_cakap + biaya_sms
12
13 print("=====TAGIHAN=====")
14 print(f"Abonemen :RP. {abonemen}")
15 print(f"Biaya percakapan :RP. {biaya_cakap}")
16 print(f"Biaya sms :RP. {biaya_sms}")
17 print(f"Total Tagihan :RP. {tagihan}")
18 print ("=====")
```

Run VS CODE



The screenshot shows the VS Code terminal window with the command prompt running the Python script. The output displays the program's execution, including the input data and the calculated bill amount.

```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

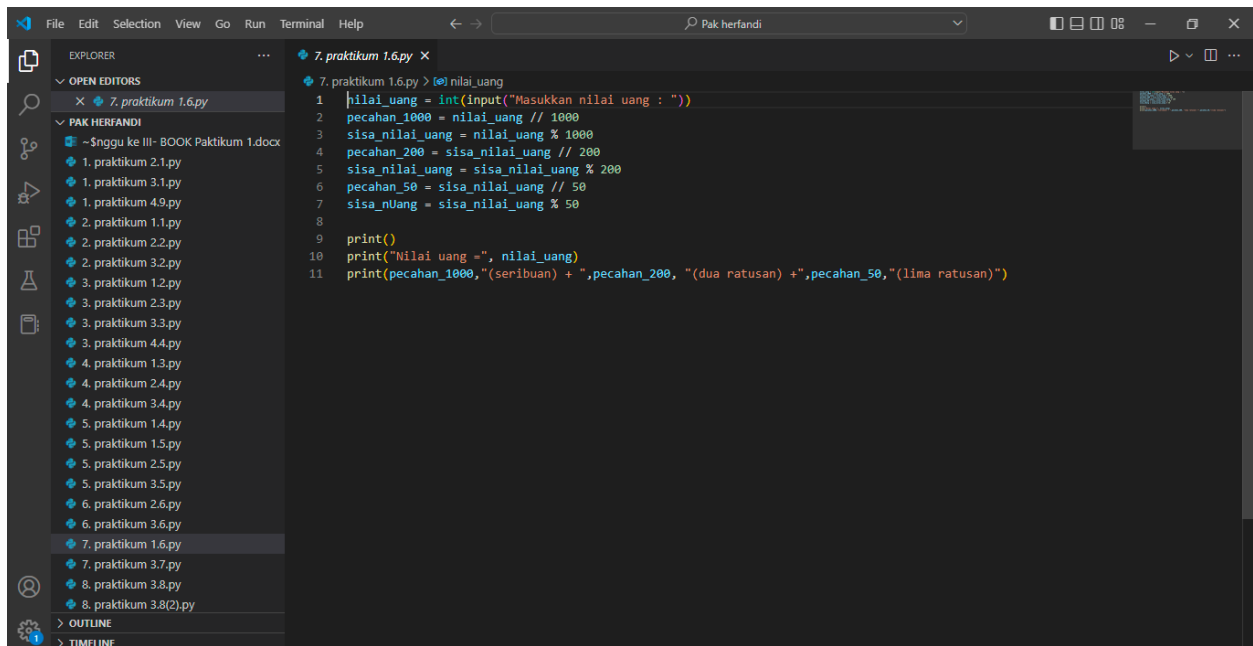
Try the new cross-platform PowerShell https://aka.ms/pscore6

PS E:\Pak herfandi> & C:/Users/lenovo/AppData/Local/Programs/Python/Python310/python.exe "e:/Pak herfandi/5. praktikum 1.4.py"

PROGRAM MENGHITUNG TAGIHAN TELPON
=====
DATA PELANGGAN
Nama pelanggan : Sumbawa
percakapan(menit) :10
sms(kali) :5
=====TAGIHAN=====
Abonemen :RP. 20000
Biaya percakapan :RP. 10000
Biaya sms :RP. 1500
Total Tagihan :RP. 31500
=====
PS E:\Pak herfandi>
```

6. Praktikum 1.6

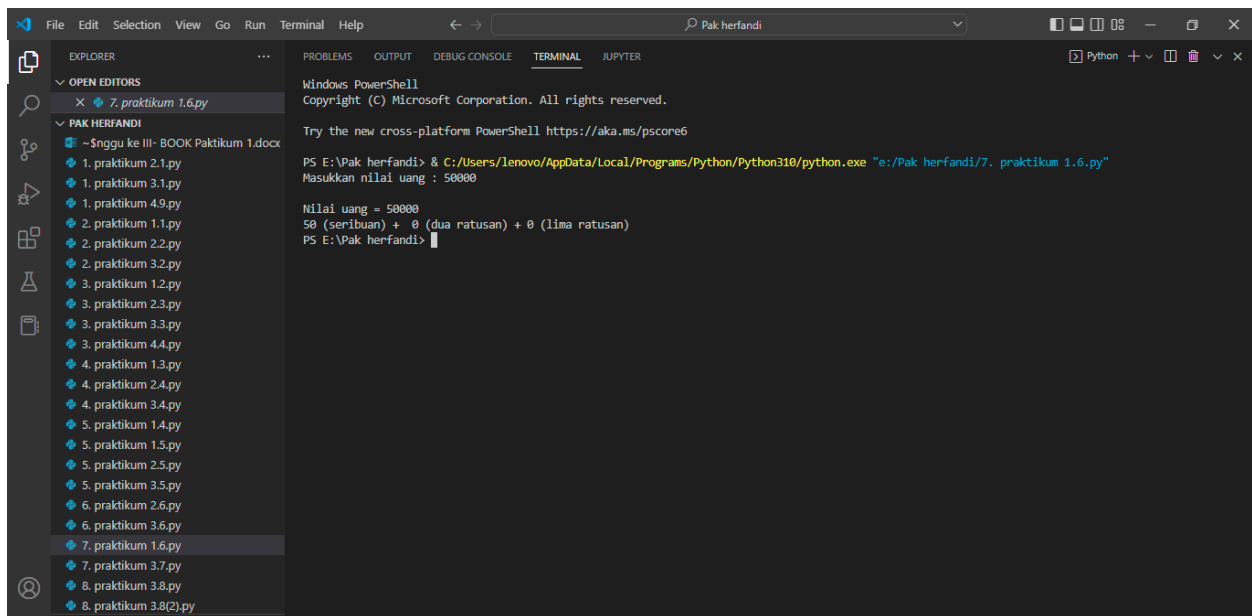
VS CODE



The screenshot shows the VS Code editor interface. The Explorer sidebar on the left lists files under 'PAK HERFANDI', including '7. praktikum 1.6.py'. The main editor window displays the code for '7. praktikum 1.6.py' with the following content:

```
1 nilai_uang = int(input("Masukkan nilai uang : "))
2 pecahan_1000 = nilai_uang // 1000
3 sisa_nilai_uang = nilai_uang % 1000
4 pecahan_200 = sisa_nilai_uang // 200
5 sisa_nilai_uang = sisa_nilai_uang % 200
6 pecahan_50 = sisa_nilai_uang // 50
7 sisa_nUang = sisa_nilai_uang % 50
8
9 print()
10 print("Nilai uang =", nilai_uang)
11 print(pecahan_1000,"(seribuan) + ", pecahan_200, "(dua ratusan) + ", pecahan_50, "(lima ratusan)")
```

RUN VS CODE



The screenshot shows the VS Code editor interface with the Terminal panel open. The terminal displays the execution of the program '7. praktikum 1.6.py' in a Windows PowerShell environment. The output shows the user input '50000' and the resulting calculation: 'Nilai uang = 50000', '50 (seribuan) + 0 (dua ratusan) + 0 (lima ratusan)'. The terminal text is as follows:

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

PS E:\Pak herfandi> & C:/Users/lenovo/AppData/Local/Programs/Python/Python310/python.exe "e:/Pak herfandi/7. praktikum 1.6.py"
Masukkan nilai uang : 50000

Nilai uang = 50000
50 (seribuan) + 0 (dua ratusan) + 0 (lima ratusan)
PS E:\Pak herfandi>
```