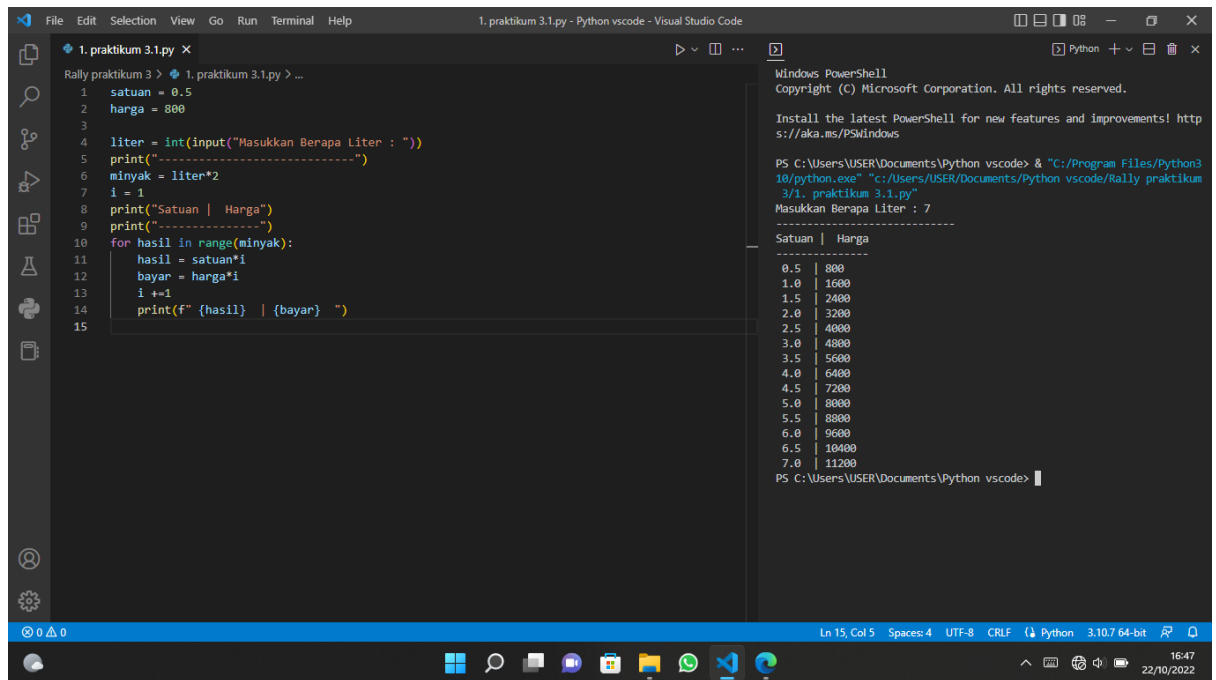


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➤ Praktikum 3

1. Praktikum 3.1



The screenshot shows a Visual Studio Code editor with a Python file named '1.praktikum 3.1.py'. The code calculates the price of fuel based on the volume in liters. The terminal window shows the execution of the script, which prompts the user to enter the number of liters (7) and then displays a table of fuel prices for volumes from 0.5 to 7.0 liters.

```
1 satuan = 0.5
2 harga = 800
3
4 liter = int(input("Masukkan Berapa Liter : "))
5 print("-----")
6 minyak = liter*2
7 i = 1
8 print("Satuan | Harga")
9 print("-----")
10 for hasil in range(minyak):
11     hasil = satuan*i
12     bayar = harga*i
13     i += 1
14     print(f" {hasil} | {bayar} ")
15
```

Windows PowerShell
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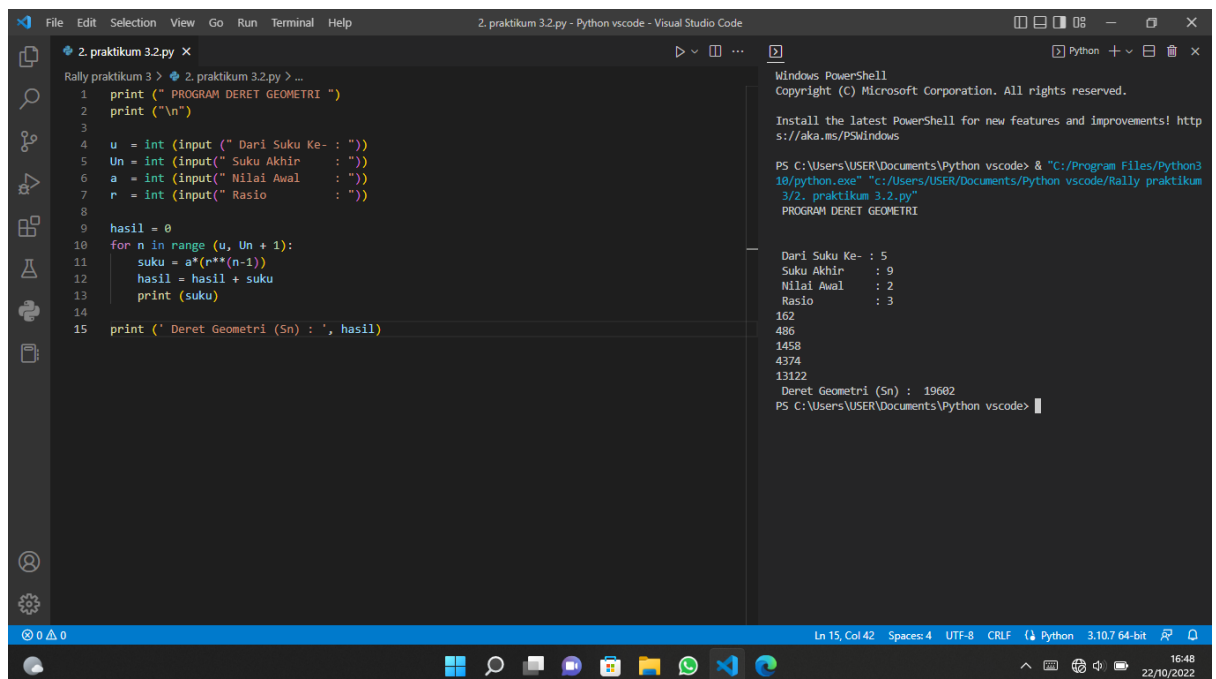
Install the latest PowerShell for new features and improvements! [http s://aka.ms/PSWindows](http://aka.ms/PSWindows)

PS C:\Users\USER\Documents\Python vscode> & "C:/Program Files/Python3 10/python.exe" "c:/Users/USER/Documents/Python vscode/Rally praktikum 3/1. praktikum 3.1.py"
Masukkan Berapa Liter : 7

Satuan | Harga

0.5 | 800
1.0 | 1600
1.5 | 2400
2.0 | 3200
2.5 | 4000
3.0 | 4800
3.5 | 5600
4.0 | 6400
4.5 | 7200
5.0 | 8000
5.5 | 8800
6.0 | 9600
6.5 | 10400
7.0 | 11200
PS C:\Users\USER\Documents\Python vscode>

2. Praktikum 3.2



The screenshot shows a Visual Studio Code editor with a Python file named '2.praktikum 3.2.py'. The code calculates the sum of an arithmetic series. The terminal window shows the execution of the script, which prompts the user to enter the first term (5), the last term (9), the first term (2), and the ratio (3), and then displays the sum of the series.

```
1 print (" PROGRAM DERET GEOMETRI ")
2 print ("\n")
3
4 u = int (input (" Dari Suku Ke- : "))
5 Un = int (input(" Suku Akhir : "))
6 a = int (input(" Nilai Awal : "))
7 r = int (input(" Rasio : "))
8
9 hasil = 0
10 for n in range (u, Un + 1):
11     suku = a*(r**(n-1))
12     hasil = hasil + suku
13     print (suku)
14
15 print (' Deret Geometri (Sn) : ', hasil)
```

Windows PowerShell
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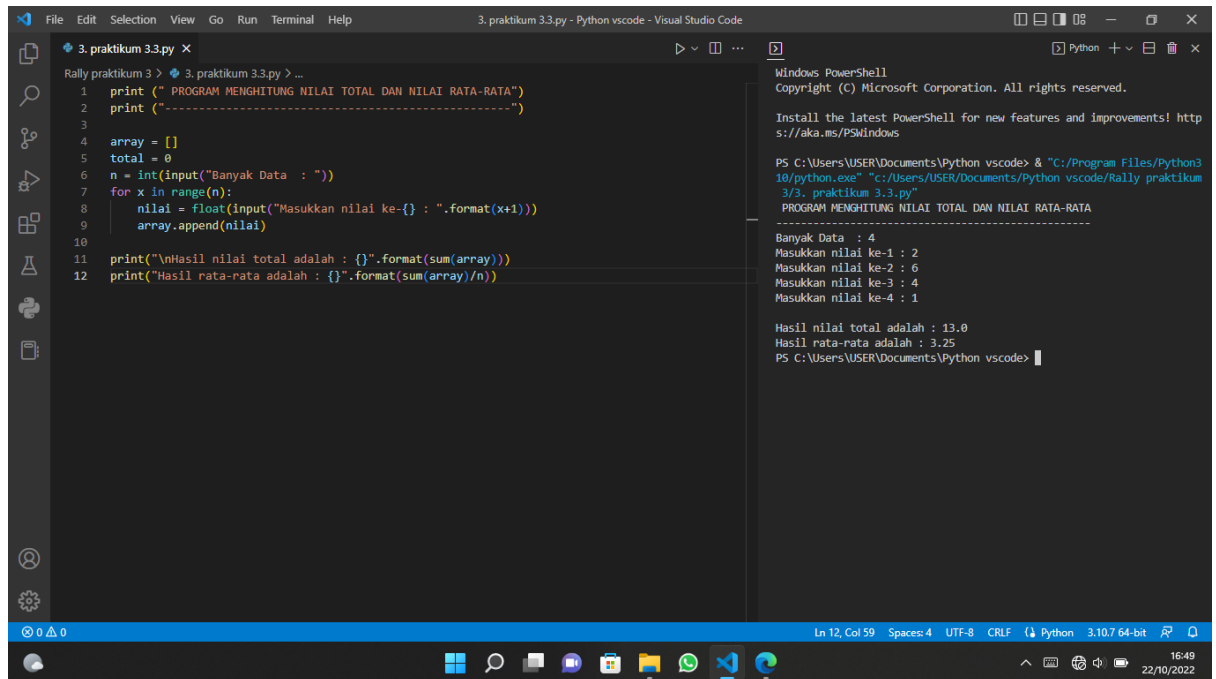
Install the latest PowerShell for new features and improvements! [http s://aka.ms/PSWindows](http://aka.ms/PSWindows)

PS C:\Users\USER\Documents\Python vscode> & "C:/Program Files/Python3 10/python.exe" "c:/Users/USER/Documents/Python vscode/Rally praktikum 3/2. praktikum 3.2.py"
PROGRAM DERET GEOMETRI

Dari Suku Ke- : 5
Suku Akhir : 9
Nilai Awal : 2
Rasio : 3

162
486
1458
4374
13122
Deret Geometri (Sn) : 19682
PS C:\Users\USER\Documents\Python vscode>

3. Praktikum 3.3



```
File Edit Selection View Go Run Terminal Help 3.praktikum 3.3.py - Python vscode - Visual Studio Code

3.praktikum 3.3.py x
Rally praktikum 3 > 3.praktikum 3.3.py > ...
1 print (" PROGRAM MENGHITUNG NILAI TOTAL DAN NILAI RATA-RATA")
2 print ("-----")
3
4 array = []
5 total = 0
6 n = int(input("Banyak Data : "))
7 for x in range(n):
8     nilai = float(input("Masukkan nilai ke-{} : ".format(x+1)))
9     array.append(nilai)
10
11 print("\nHasil nilai total adalah : {}".format(sum(array)))
12 print("Hasil rata-rata adalah : {}".format(sum(array)/n))

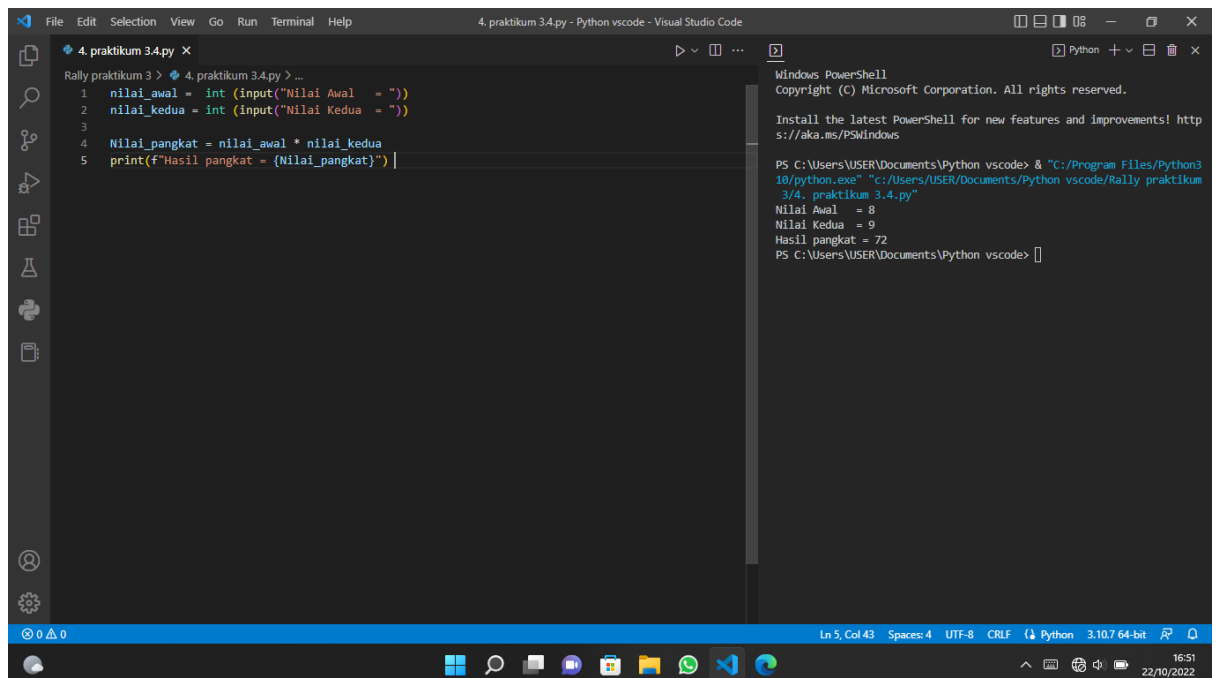
Windows PowerShell
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s://aka.ms/PSWindows

PS C:\Users\USER\Documents\Python vscode> & "C:/Program Files/Python3
10/python.exe" "c:/Users/USER/Documents/Python vscode/Rally praktikum
3/3.praktikum 3.3.py"
PROGRAM MENGHITUNG NILAI TOTAL DAN NILAI RATA-RATA
-----
Banyak Data : 4
Masukkan nilai ke-1 : 2
Masukkan nilai ke-2 : 6
Masukkan nilai ke-3 : 4
Masukkan nilai ke-4 : 1

Hasil nilai total adalah : 13.0
Hasil rata-rata adalah : 3.25
PS C:\Users\USER\Documents\Python vscode> |
```

4. Praktikum 3.4



```
File Edit Selection View Go Run Terminal Help 4.praktikum 3.4.py - Python vscode - Visual Studio Code

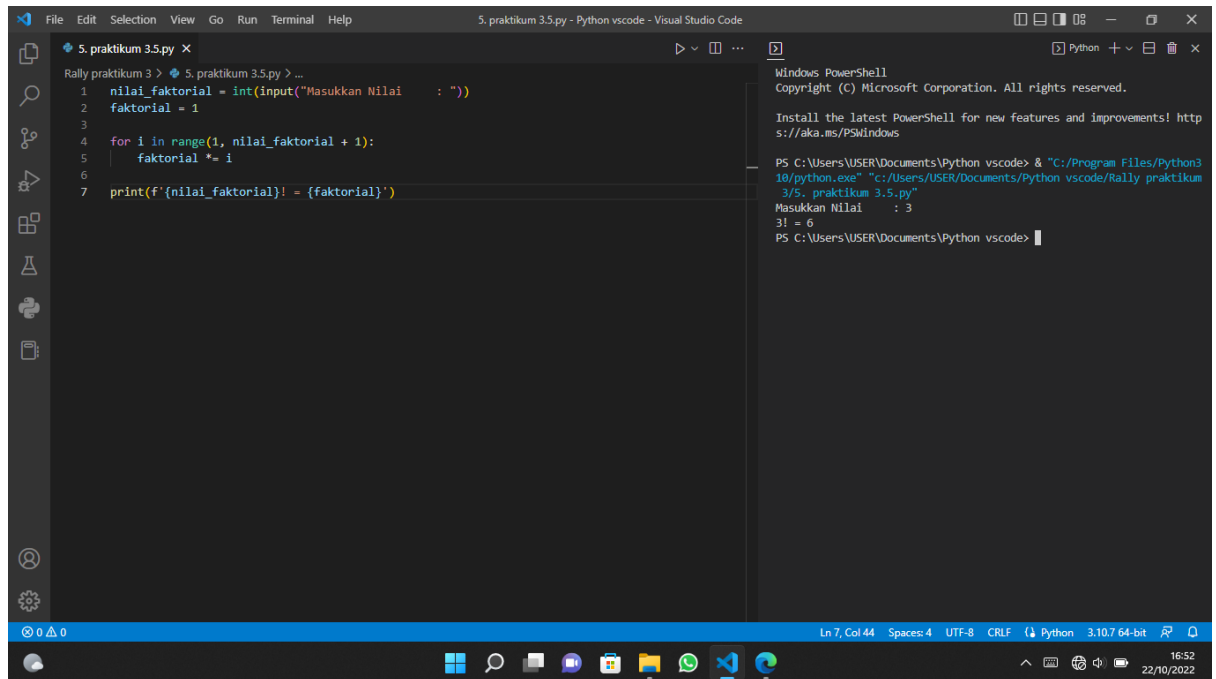
4.praktikum 3.4.py x
Rally praktikum 3 > 4.praktikum 3.4.py > ...
1 nilai_awal = int(input("Nilai Awal = "))
2 nilai_kedua = int(input("Nilai Kedua = "))
3
4 Nilai_pangkat = nilai_awal * nilai_kedua
5 print(f"Hasil pangkat = {Nilai_pangkat}") |

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PS C:\Users\USER\Documents\Python vscode> & "C:/Program Files/Python3
10/python.exe" "c:/Users/USER/Documents/Python vscode/Rally praktikum
3/4.praktikum 3.4.py"
Nilai Awal = 8
Nilai Kedua = 9
Hasil pangkat = 72
PS C:\Users\USER\Documents\Python vscode> |
```

5. Praktikum 3.5



The screenshot shows the Visual Studio Code interface with a Python file named `5. praktikum 3.5.py` open. The code is a Python script that calculates the factorial of a user-input number. The terminal on the right shows the execution of the script in a PowerShell window.

```
File Edit Selection View Go Run Terminal Help 5. praktikum 3.5.py - Python vscode - Visual Studio Code
```

```
5. praktikum 3.5.py x
Rally praktikum 3 > 5. praktikum 3.5.py > ...
1 nilai_faktorial = int(input("Masukkan Nilai : "))
2 faktorial = 1
3
4 for i in range(1, nilai_faktorial + 1):
5     faktorial *= i
6
7 print(f'nilai_faktorial! = {faktorial}')
```

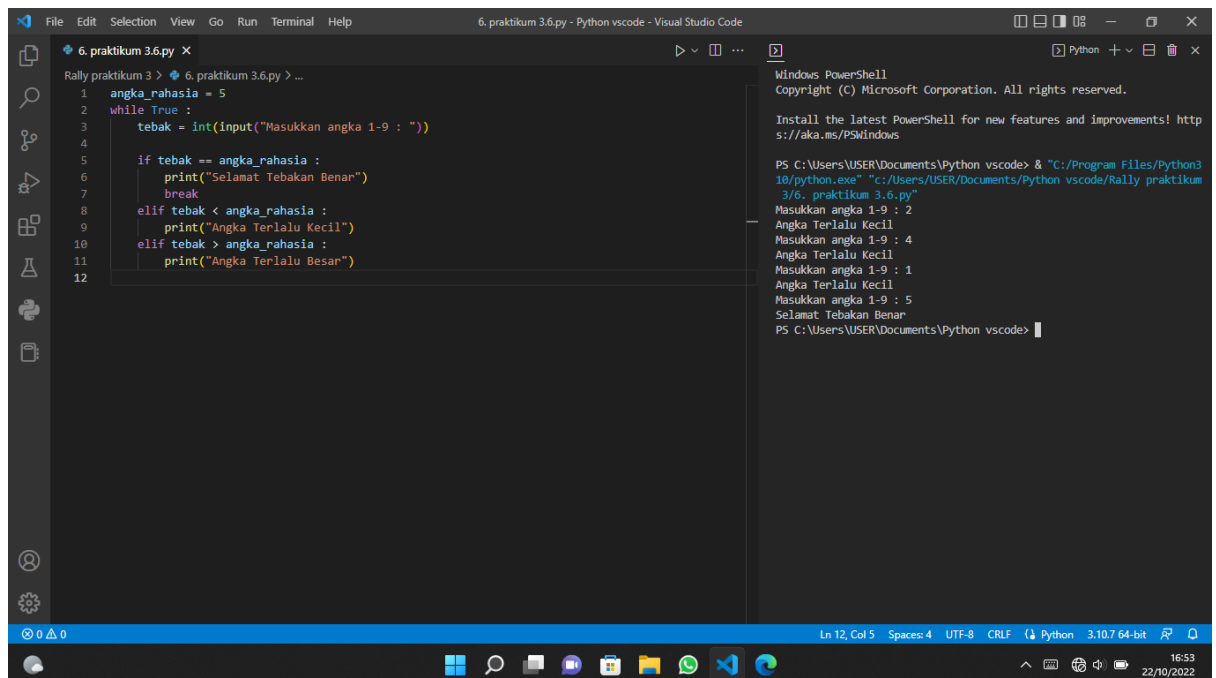
```
Windows PowerShell
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s://aka.ms/PSWindows

PS C:\Users\USER\Documents\Python vscode> & "C:/Program Files/Python3
10/python.exe" "c:/Users/USER/Documents/Python vscode/Rally praktikum
3/5. praktikum 3.5.py"
Masukkan Nilai : 3
3! = 6
PS C:\Users\USER\Documents\Python vscode>
```

Ln 7, Col 44 Spaces: 4 UTF-8 CRLF Python 3.10.7 64-bit 16:52 22/10/2022

6. Praktikum 3.6



The screenshot shows the Visual Studio Code interface with a Python file named `6. praktikum 3.6.py` open. The code is a Python script that implements a number guessing game. The terminal on the right shows the execution of the script in a PowerShell window.

```
File Edit Selection View Go Run Terminal Help 6. praktikum 3.6.py - Python vscode - Visual Studio Code
```

```
6. praktikum 3.6.py x
Rally praktikum 3 > 6. praktikum 3.6.py > ...
1 angka_rahasia = 5
2 while True :
3     tebak = int(input("Masukkan angka 1-9 : "))
4
5     if tebak == angka_rahasia :
6         print("Selamat Tebakan Benar")
7         break
8     elif tebak < angka_rahasia :
9         print("Angka Terlalu Kecil")
10    elif tebak > angka_rahasia :
11        print("Angka Terlalu Besar")
12
```

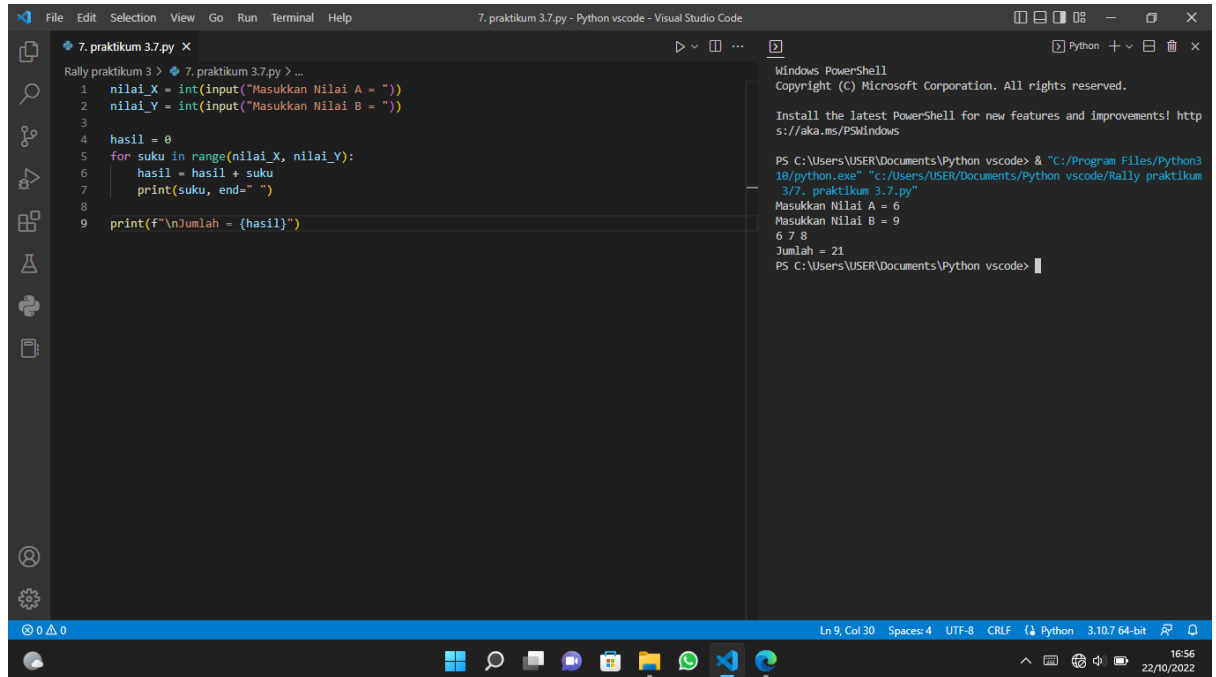
```
Windows PowerShell
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Install the latest PowerShell for new features and improvements! http
s://aka.ms/PSWindows

PS C:\Users\USER\Documents\Python vscode> & "C:/Program Files/Python3
10/python.exe" "c:/Users/USER/Documents/Python vscode/Rally praktikum
3/6. praktikum 3.6.py"
Masukkan angka 1-9 : 2
Angka Terlalu Kecil
Masukkan angka 1-9 : 4
Angka Terlalu Kecil
Masukkan angka 1-9 : 1
Angka Terlalu Kecil
Masukkan angka 1-9 : 5
Selamat Tebakan Benar
PS C:\Users\USER\Documents\Python vscode>
```

Ln 12, Col 5 Spaces: 4 UTF-8 CRLF Python 3.10.7 64-bit 16:53 22/10/2022

7. Praktikum 3.7



The screenshot shows the Visual Studio Code interface with a Python file named `7. praktikum 3.7.py` open. The code in the editor is as follows:

```
1 nilai_X = int(input("Masukkan Nilai A = "))
2 nilai_Y = int(input("Masukkan Nilai B = "))
3
4 hasil = 0
5 for suku in range(nilai_X, nilai_Y):
6     hasil = hasil + suku
7     print(suku, end=" ")
8
9 print(f'\nJumlah = {hasil}')
```

On the right side, the Windows PowerShell terminal is open, showing the execution of the script. The output is:

```
PS C:\Users\USER\Documents\Python vscode> "C:/Program Files/Python3
10/python.exe" "c:/Users/USER/Documents/Python vscode/Rally praktikum
3/7/. praktikum 3.7.py"
Masukkan Nilai A = 6
Masukkan Nilai B = 9
6 7 8
Jumlah = 21
PS C:\Users\USER\Documents\Python vscode>
```

The status bar at the bottom indicates the current position is Line 9, Column 30, with 4 spaces, using UTF-8 encoding and CRLF line endings. The Python version is 3.10.7 64-bit.