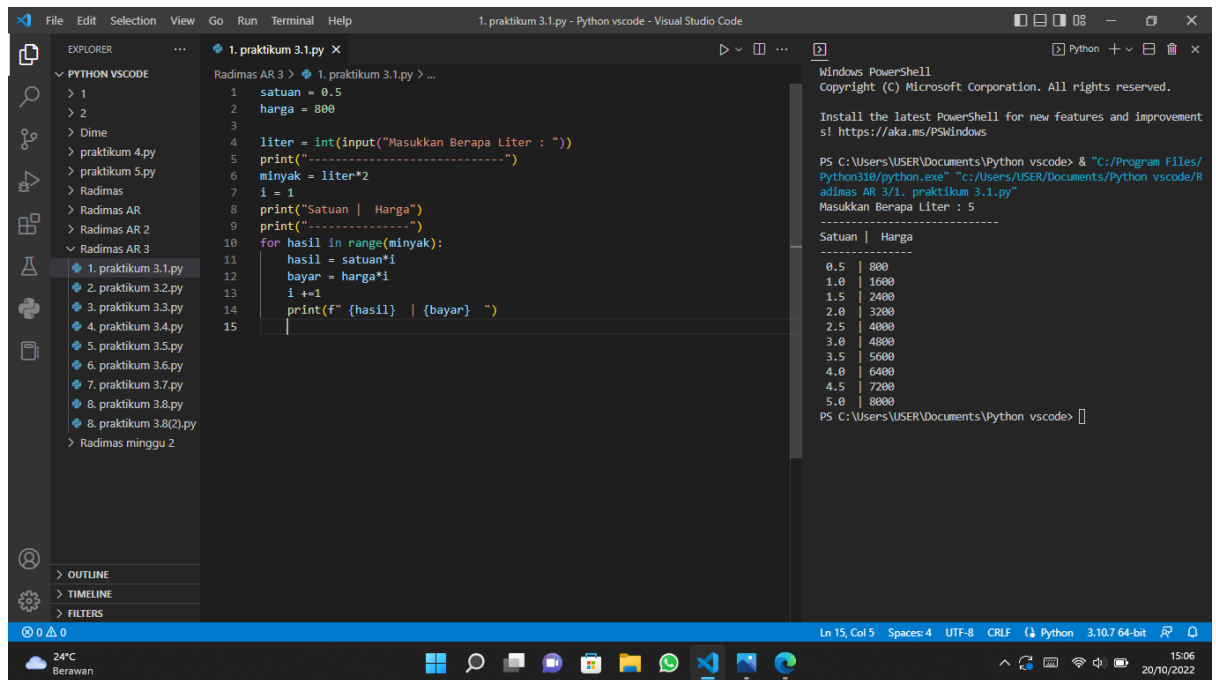


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Nim : 211001011
Kelas : D

➤ Praktikum 3

1. Praktikum 3.1



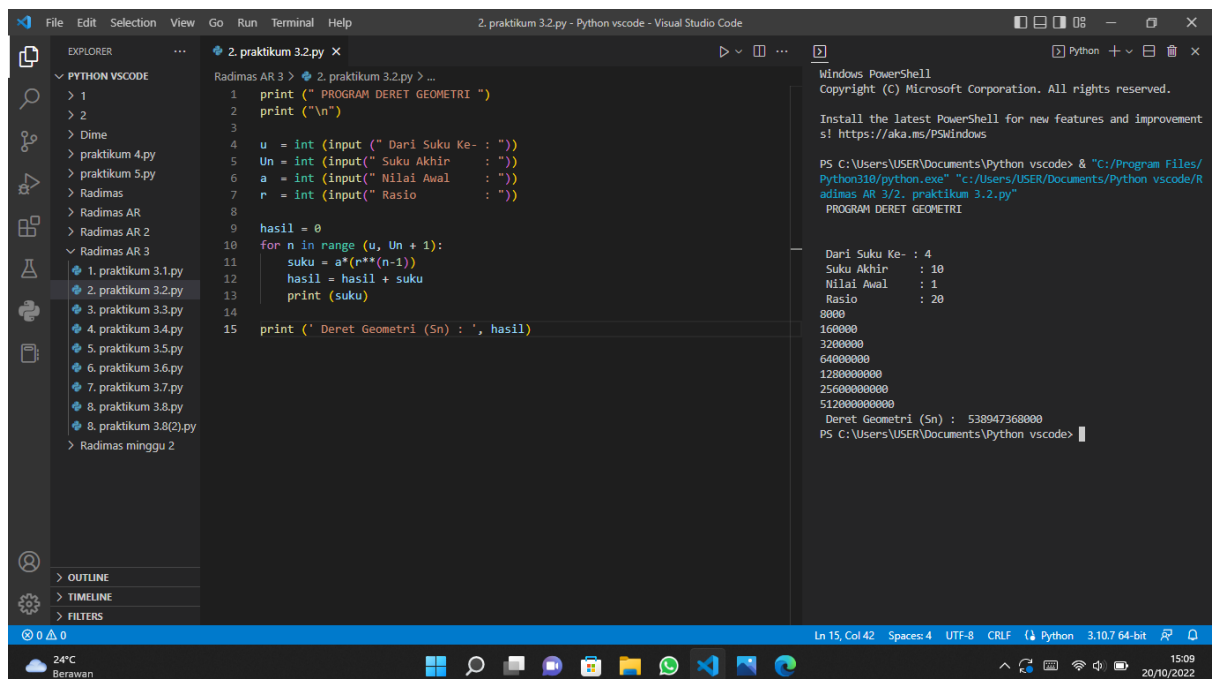
The screenshot shows a Visual Studio Code window with a Python file named '1.praktikum 3.1.py'. The code calculates the total cost of fuel based on a given volume in liters and a price per liter. It uses a loop to calculate the total cost for volumes from 0.5 to 5.0 liters.

```
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
```

The output in the PowerShell terminal shows a table of fuel costs:

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

2. Praktikum 3.2



The screenshot shows a Visual Studio Code window with a Python file named '2.praktikum 3.2.py'. The code calculates the sum of an arithmetic sequence (Deret Geometri) based on the first term (u), the last term (Un), and the common difference (r). It uses a loop to calculate the sum of the sequence.

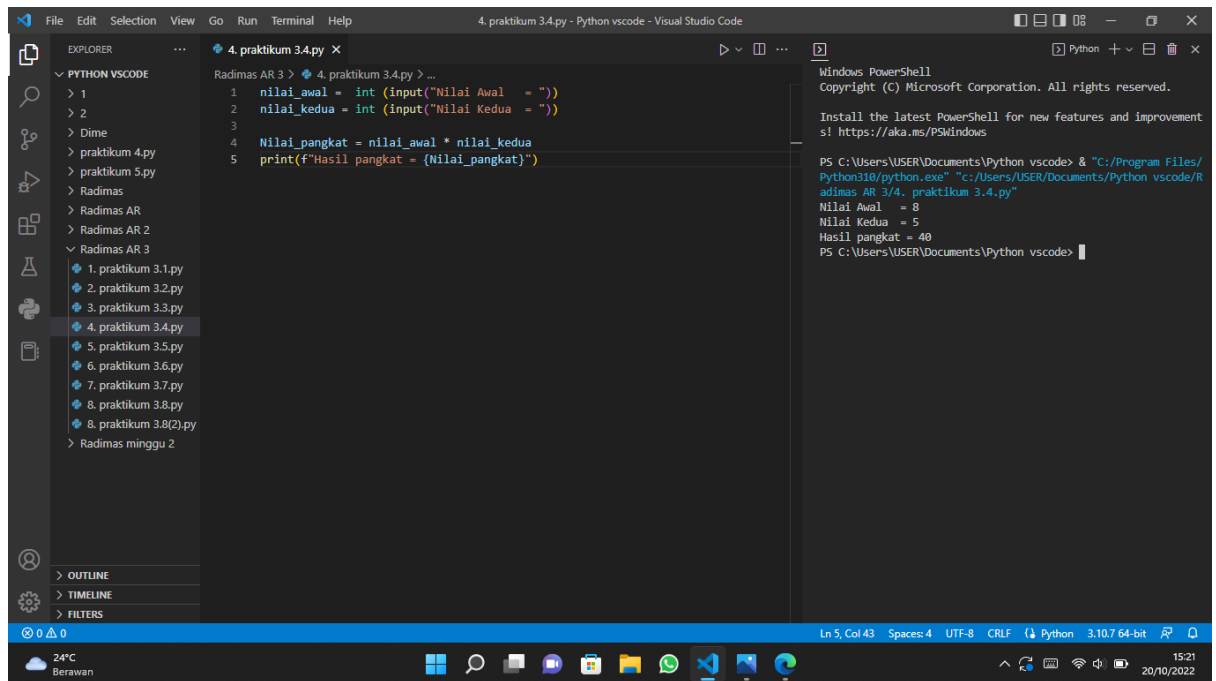
```
1 print (" PROGRAM DERET GEOMETRI ")
2 print ("\n")
3
4 u = int (input (" Dari Suku Ke- : "))
5 Un = int (input(" Suku Akhir : "))
6 a = int (input(" Nilai Awal : "))
7 r = int (input(" Rasio : "))
8
9 hasil = 0
10 for n in range (u, Un + 1):
11     suku = a*(r**(n-1))
12     hasil = hasil + suku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

The output in the PowerShell terminal shows the calculation of the sum of the arithmetic sequence:

```
PROGRAM DERET GEOMETRI

Dari Suku Ke- : 4
Suku Akhir : 10
Nilai Awal : 1
Rasio : 20
0000
160000
3200000
64000000
1280000000
25600000000
512000000000
Deret Geometri (Sn) : 538947368000
```

3. Praktikum 3.4



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

EXPLORER

- PYTHON VSCODE
 - > 1
 - > 2
 - > Dime
 - > praktikum 4.py
 - > praktikum 5.py
 - > Radimas
 - > Radimas AR
 - > Radimas AR 2
 - > Radimas AR 3
 - 4. praktikum 3.1.py
 - 2. praktikum 3.2.py
 - 3. praktikum 3.3.py
 - 4. praktikum 3.4.py
 - 5. praktikum 3.5.py
 - 6. praktikum 3.6.py
 - 7. praktikum 3.7.py
 - 8. praktikum 3.8.py
 - 8. praktikum 3.8(2).py
 - > Radimas minggu 2
- > OUTLINE
- > TIMELINE
- > FILTERS

Radimas AR 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}")
```

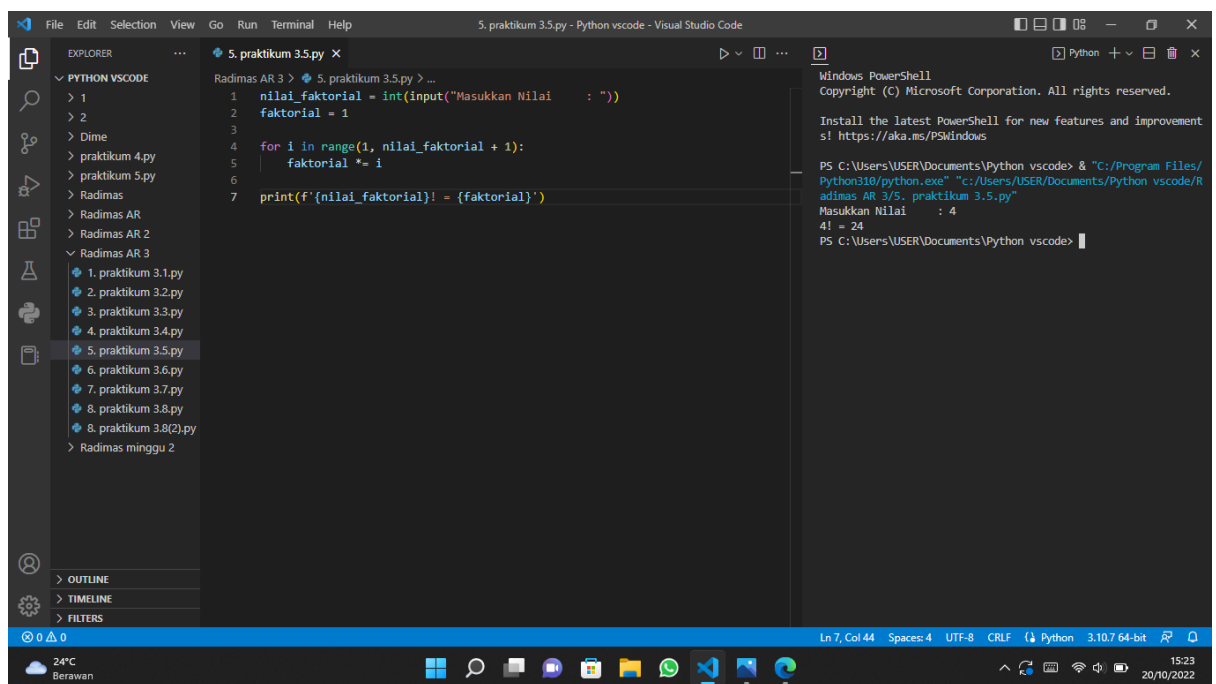
Windows PowerShell
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PS C:\Users\USER\Documents\Python vscode> & "C:/Program Files/Python310/python.exe" "c:/Users/USER/Documents/Python vscode/Radimas AR 3/4. praktikum 3.4.py"
Nilai Awal = 8
Nilai Kedua = 5
Hasil pangkat = 40
PS C:\Users\USER\Documents\Python vscode>

Ln 5, Col 43 Spaces: 4 UTF-8 CRLF Python 3.10.7 64-bit

24°C Berawan 15:21 20/10/2022

4. Praktikum 3.5



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

EXPLORER

- PYTHON VSCODE
 - > 1
 - > 2
 - > Dime
 - > praktikum 4.py
 - > praktikum 5.py
 - > Radimas
 - > Radimas AR
 - > Radimas AR 2
 - > Radimas AR 3
 - 1. praktikum 3.1.py
 - 2. praktikum 3.2.py
 - 3. praktikum 3.3.py
 - 4. praktikum 3.4.py
 - 5. praktikum 3.5.py
 - 6. praktikum 3.6.py
 - 7. praktikum 3.7.py
 - 8. praktikum 3.8.py
 - 8. praktikum 3.8(2).py
 - > Radimas minggu 2
- > OUTLINE
- > TIMELINE
- > FILTERS

Radimas AR 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}')
```

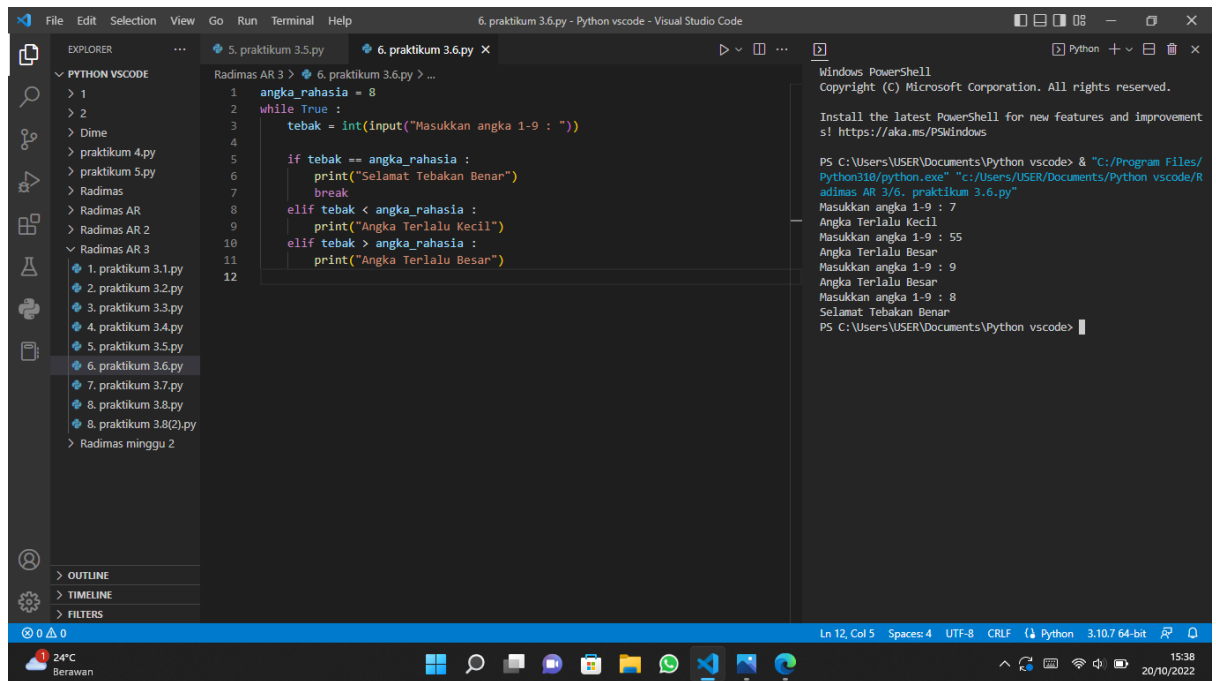
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PS C:\Users\USER\Documents\Python vscode> & "C:/Program Files/Python310/python.exe" "c:/Users/USER/Documents/Python vscode/Radimas AR 3/5. praktikum 3.5.py"
Masukkan Nilai : 4
4! = 24
PS C:\Users\USER\Documents\Python vscode>

Ln 7, Col 44 Spaces: 4 UTF-8 CRLF Python 3.10.7 64-bit

24°C Berawan 15:23 20/10/2022

5. Praktikum 3.6



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

EXPLORER
PYTHON VSCODE
> 1
> 2
> Dime
> praktikum 4.py
> praktikum 5.py
> Radimas
> Radimas AR
> Radimas AR 2
> Radimas AR 3
  1.praktikum 3.1.py
  2.praktikum 3.2.py
  3.praktikum 3.3.py
  4.praktikum 3.4.py
  5.praktikum 3.5.py
  6.praktikum 3.6.py
  7.praktikum 3.7.py
  8.praktikum 3.8.py
  8.praktikum 3.8(2).py
  Radimas minggu 2
  OUTLINE
  TIMELINE
  FILTERS

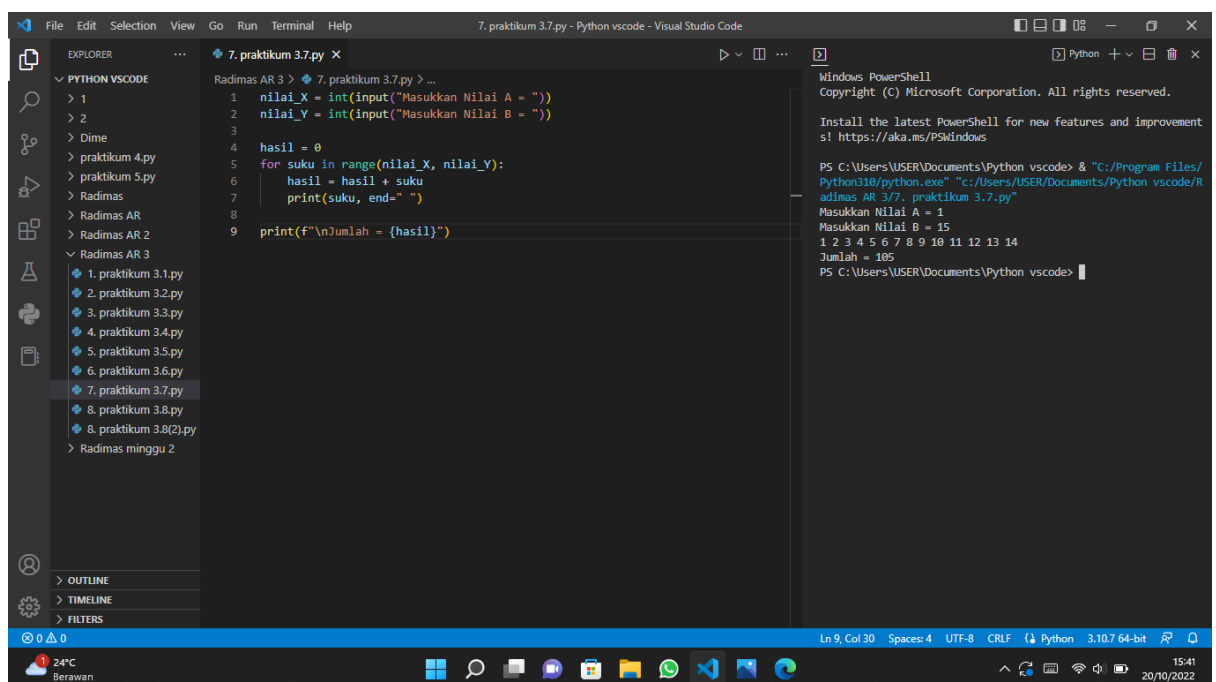
Radimas AR 3 > 6.praktikum 3.6.py > ...
1 angka_rahasia = 8
2 while True :
3     tebak = int(input("Masukkan angka 1-9 : "))
4
5     if tebak == angka_rahasia :
6         print("Selamat Tebakan Benar")
7         break
8     elif tebak < angka_rahasia :
9         print("Angka Terlalu Kecil")
10    elif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

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PS C:\Users\USER\Documents\Python vscode> & "C:/Program Files/Python310/python.exe" "C:/Users/USER/Documents/Python vscode/Radimas AR 3/6.praktikum 3.6.py"
Masukkan angka 1-9 : 7
Angka Terlalu Kecil
Masukkan angka 1-9 : 55
Angka Terlalu Besar
Masukkan angka 1-9 : 9
Angka Terlalu Besar
Masukkan angka 1-9 : 8
Selamat Tebakan Benar
PS C:\Users\USER\Documents\Python vscode>
```

6. Praktikum 3.7



```
File Edit Selection View Go Run Terminal Help 7.praktikum 3.7.py - Python vscode - Visual Studio Code

EXPLORER
PYTHON VSCODE
> 1
> 2
> Dime
> praktikum 4.py
> praktikum 5.py
> Radimas
> Radimas AR
> Radimas AR 2
> Radimas AR 3
  1.praktikum 3.1.py
  2.praktikum 3.2.py
  3.praktikum 3.3.py
  4.praktikum 3.4.py
  5.praktikum 3.5.py
  6.praktikum 3.6.py
  7.praktikum 3.7.py
  8.praktikum 3.8.py
  8.praktikum 3.8(2).py
  Radimas minggu 2
  OUTLINE
  TIMELINE
  FILTERS

Radimas AR 3 > 7.praktikum 3.7.py > ...
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}")

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PS C:\Users\USER\Documents\Python vscode> & "C:/Program Files/Python310/python.exe" "C:/Users/USER/Documents/Python vscode/Radimas AR 3/7.praktikum 3.7.py"
Masukkan Nilai A = 1
Masukkan Nilai B = 15
1 2 3 4 5 6 7 8 9 10 11 12 13 14
Jumlah = 105
PS C:\Users\USER\Documents\Python vscode>
```