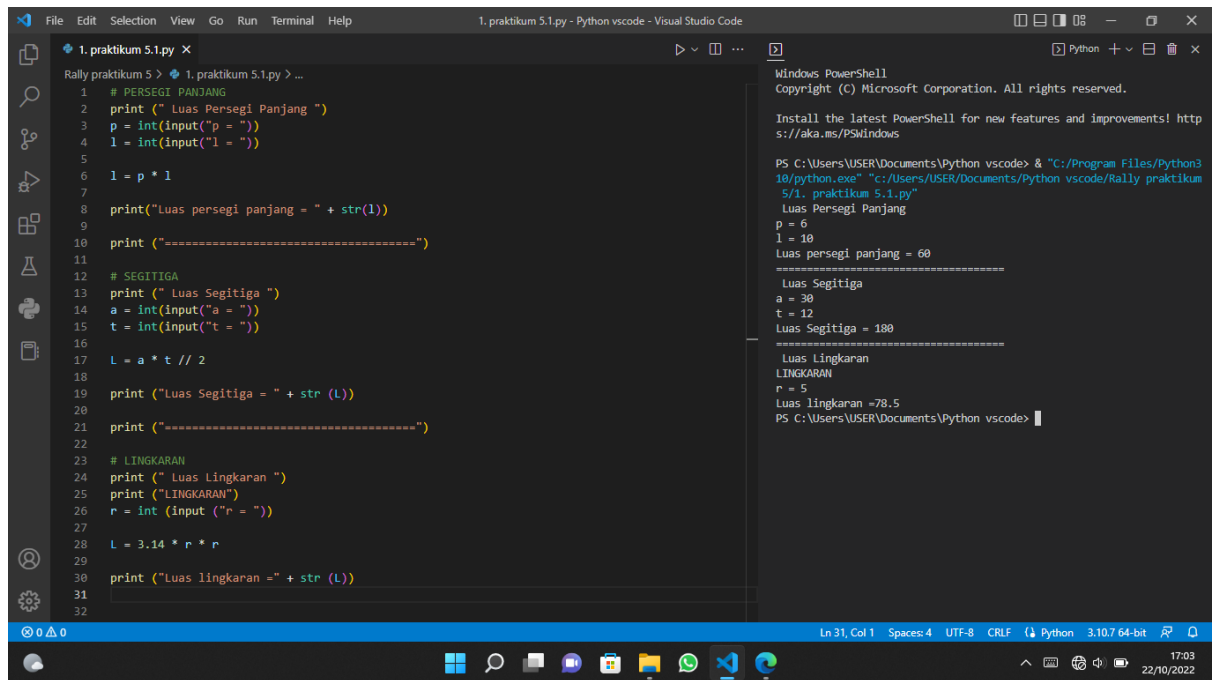


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➤ Praktikum 5

1. Praktikum 5.1



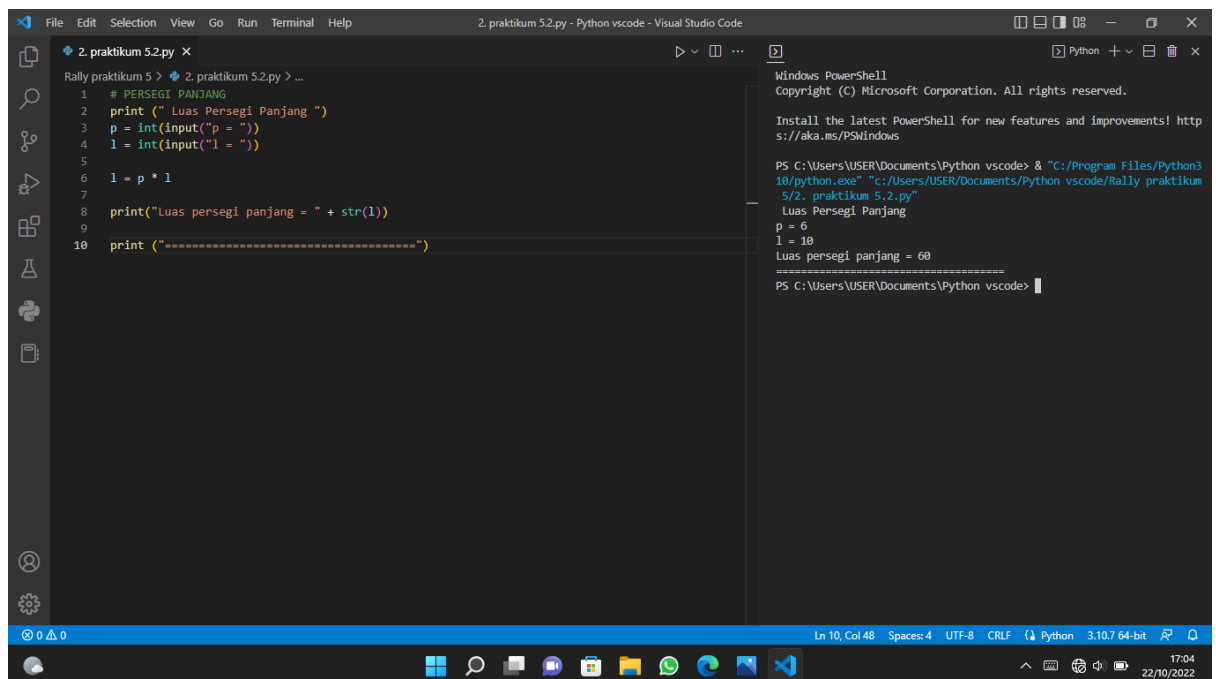
```
File Edit Selection View Go Run Terminal Help 1.praktikum 5.1.py - Python vscode - Visual Studio Code
1.praktikum 5.1.py x
Rally praktikum 5 > 1.praktikum 5.1.py > ...
1 # PERSEGI PANJANG
2 print (" Luas Persegi Panjang ")
3 p = int(input("p = "))
4 l = int(input("l = "))
5
6 l = p * l
7
8 print("Luas persegi panjang = " + str(l))
9
10 print ("=====")
11
12 # SEGITIGA
13 print (" Luas Segitiga ")
14 a = int(input("a = "))
15 t = int(input("t = "))
16
17 L = a * t // 2
18
19 print ("Luas Segitiga = " + str (L))
20
21 print ("=====")
22
23 # LINGKARAN
24 print (" Luas lingkaran ")
25 print ("LINGKARAN")
26 r = int (input ("r = "))
27
28 L = 3.14 * r * r
29
30 print ("Luas lingkaran =" + str (L))
31
32

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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
5/1. praktikum 5.1.py"
Luas Persegi Panjang
p = 6
l = 10
Luas persegi panjang = 60
=====
Luas Segitiga
a = 30
t = 12
Luas Segitiga = 180
=====
Luas lingkaran
LINGKARAN
r = 5
Luas lingkaran =78.5
PS C:\Users\USER\Documents\Python vscode>
```

2. Praktikum 5.2



```
File Edit Selection View Go Run Terminal Help 2.praktikum 5.2.py - Python vscode - Visual Studio Code
2.praktikum 5.2.py x
Rally praktikum 5 > 2.praktikum 5.2.py > ...
1 # PERSEGI PANJANG
2 print (" Luas Persegi Panjang ")
3 p = int(input("p = "))
4 l = int(input("l = "))
5
6 l = p * l
7
8 print("Luas persegi panjang = " + str(l))
9
10 print ("=====")

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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
5/2. praktikum 5.2.py"
Luas Persegi Panjang
p = 6
l = 10
Luas persegi panjang = 60
=====
PS C:\Users\USER\Documents\Python vscode>
```

3. Praktikum 5.2(2)

The screenshot shows the Visual Studio Code interface with a Python file named `3. praktikum 5.2(2).py` open. The code defines a function `SEGITIGA` that calculates the area of a triangle based on user input for base `a` and height `t`. The formula used is $L = a * t // 2$. The terminal window shows the execution of the script, where `a = 5` and `t = 10` were entered, resulting in `Luas Segitiga = 25`.

```
1 # SEGITIGA
2 print (" Luas Segitiga ")
3 a = int(input("a = "))
4 t = int(input("t = "))
5
6 L = a * t // 2
7
8 print ("Luas Segitiga = " + str (L))
9
10 print ("=====")
```

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PS C:\Users\USER\Documents\Python vscode> & "C:/Program Files/Python310/python.exe" "c:/Users/USER/Documents/Python vscode/Rally praktikum 5/3. praktikum 5.2(2).py"

Luas Segitiga
a = 5
t = 10
Luas Segitiga = 25
=====

PS C:\Users\USER\Documents\Python vscode> []

4. Praktikum 5.2(3)

The screenshot shows the Visual Studio Code interface with a Python file named `4. praktikum 5.2(3).py` open. The code defines a function `LINGKARAN` that calculates the area of a circle based on user input for radius `r`. The formula used is $L = 3.14 * r * r$. The terminal window shows the execution of the script, where `r = 15` was entered, resulting in `Luas lingkaran = 706.5`.

```
1 # LINGKARAN
2 print (" Luas Lingkaran ")
3 print ("LINGKARAN")
4 r = int (input ("r = "))
5
6 L = 3.14 * r * r
7
8 print ("Luas lingkaran = " + str (L))
```

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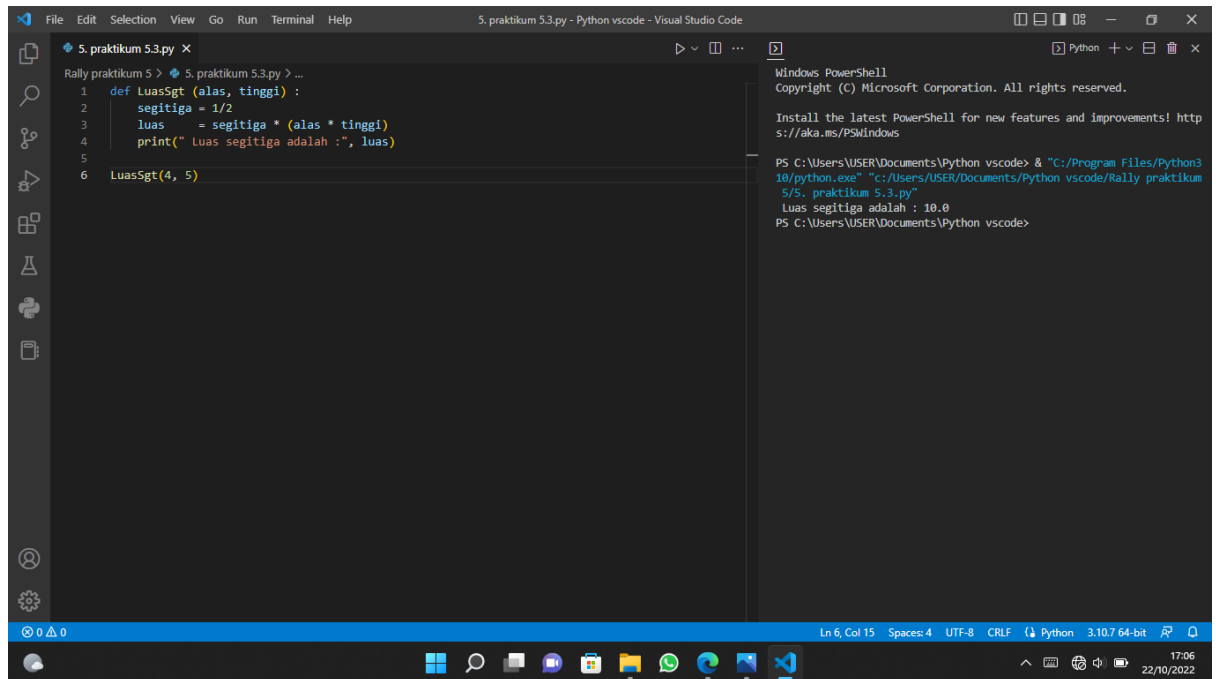
Install the latest PowerShell for new features and improvements! <http://aka.ms/PSWindows>

PS C:\Users\USER\Documents\Python vscode> & "C:/Program Files/Python310/python.exe" "c:/Users/USER/Documents/Python vscode/Rally praktikum 5/4. praktikum 5.2(3).py"

Luas Lingkaran
LINGKARAN
r = 15
Luas lingkaran = 706.5

PS C:\Users\USER\Documents\Python vscode> []

5. Praktikum 5.3



The screenshot shows the Visual Studio Code interface with a file named `5. praktikum 5.3.py`. The code defines a function `LuasSgt` to calculate the area of a triangle and calls it with `LuasSgt(4, 5)`. The terminal on the right shows the execution output.

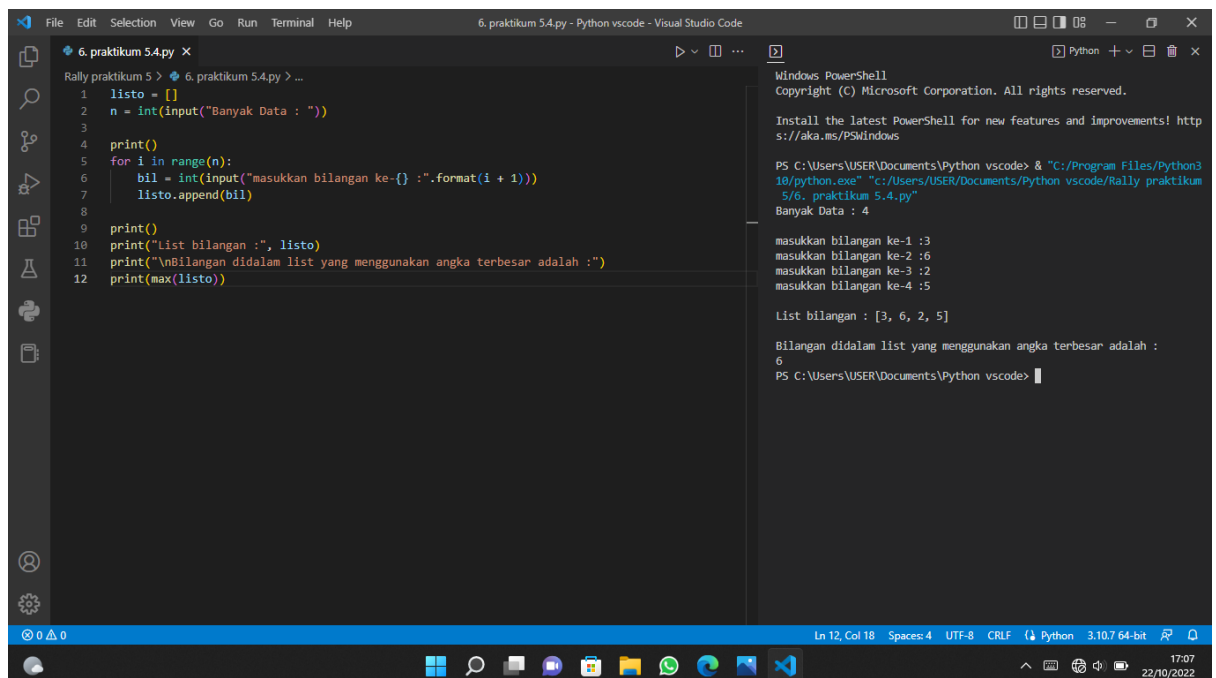
```
File Edit Selection View Go Run Terminal Help 5. praktikum 5.3.py - Python vscode - Visual Studio Code
```

```
1 def LuasSgt (alas, tinggi) :  
2     segitiga = 1/2  
3     luas = segitiga * (alas * tinggi)  
4     print(" Luas segitiga adalah :", luas)  
5  
6 LuasSgt(4, 5)
```

```
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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  
5/5. praktikum 5.3.py"  
Luas segitiga adalah : 10.0  
PS C:\Users\USER\Documents\Python vscode>
```

Ln 6, Col 15 Spaces: 4 UTF-8 CRLF Python 3.10.7 64-bit 17:06 22/10/2022

6. Praktikum 5.4



The screenshot shows the Visual Studio Code interface with a file named `6. praktikum 5.4.py`. The code prompts the user for the number of data points, takes input for each, and prints the list and the maximum value. The terminal on the right shows the execution output.

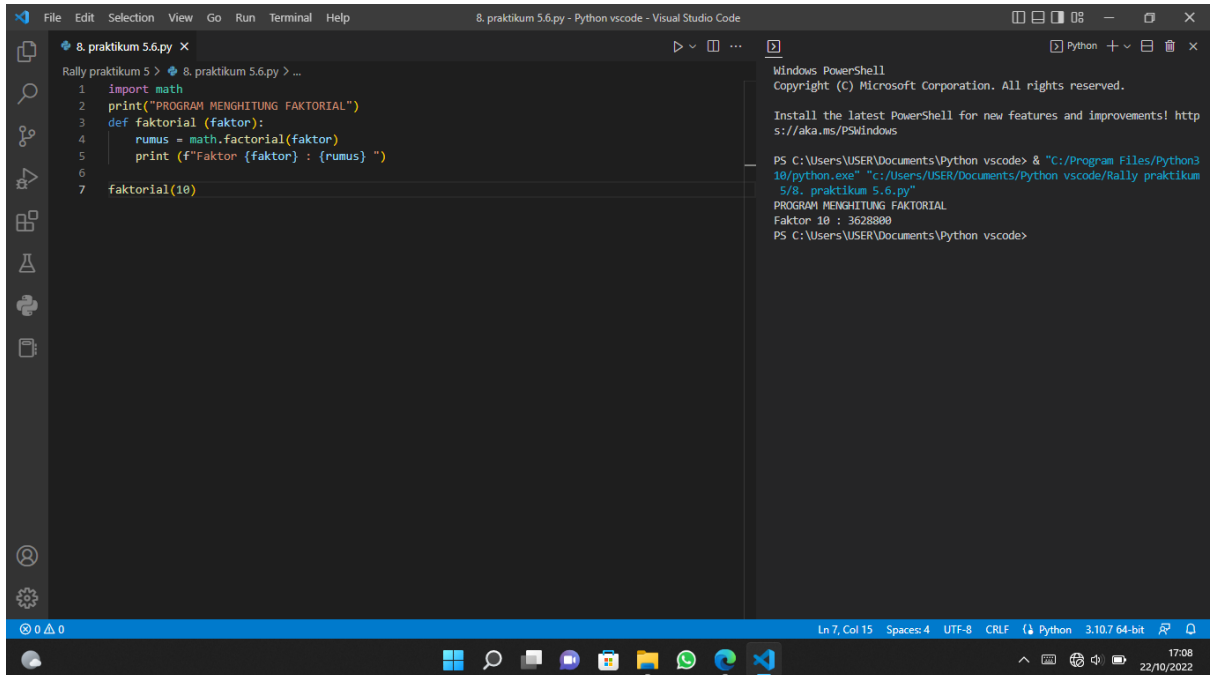
```
File Edit Selection View Go Run Terminal Help 6. praktikum 5.4.py - Python vscode - Visual Studio Code
```

```
1 listo = []  
2 n = int(input("Banyak Data : "))  
3  
4 print()  
5 for i in range(n):  
6     bil = int(input("masukkan bilangan ke-{} :".format(i + 1)))  
7     listo.append(bil)  
8  
9 print()  
10 print("List bilangan :", listo)  
11 print("\nBilangan didalam list yang menggunakan angka terbesar adalah :")  
12 print(max(listo))
```

```
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  
5/6. praktikum 5.4.py"  
Banyak Data : 4  
  
masukkan bilangan ke-1 :3  
masukkan bilangan ke-2 :6  
masukkan bilangan ke-3 :2  
masukkan bilangan ke-4 :5  
  
List bilangan : [3, 6, 2, 5]  
  
Bilangan didalam list yang menggunakan angka terbesar adalah :  
6  
PS C:\Users\USER\Documents\Python vscode>
```

Ln 12, Col 18 Spaces: 4 UTF-8 CRLF Python 3.10.7 64-bit 17:07 22/10/2022

7. Praktikum 5.6



The screenshot shows the Visual Studio Code interface with a Python file named `8.praktikum 5.6.py` open. The code defines a function `faktorial` that uses `math.factorial` to calculate the factorial of a given number. The script prints the program name and the result for `faktorial(10)`. The output is displayed in the integrated PowerShell terminal on the right.

```
File Edit Selection View Go Run Terminal Help 8.praktikum 5.6.py - Python vscode - Visual Studio Code
```

```
8.praktikum 5.6.py x
Rally praktikum 5 > 8.praktikum 5.6.py > ...
1 import math
2 print("PROGRAM MENGHITUNG FAKTORIAL")
3 def faktorial (faktor):
4     rumus = math.factorial(faktor)
5     print (f"Faktor {faktor} : {rumus} ")
6
7 faktorial(10)
```

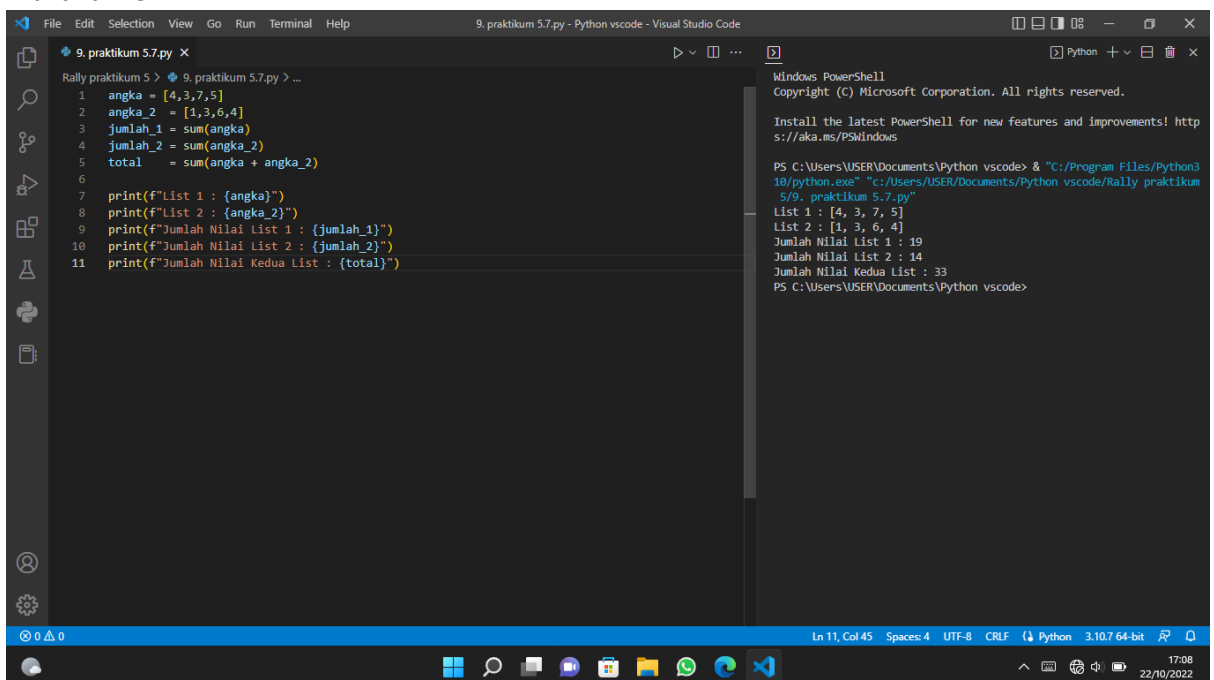
```
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PS C:\Users\USER\Documents\Python vscode> & "C:/Program Files/Python3
10/python.exe" "c:/Users/USER/Documents/Python vscode/Rally praktikum
5/8.praktikum 5.6.py"
PROGRAM MENGHITUNG FAKTORIAL
Faktor 10 : 3628800
PS C:\Users\USER\Documents\Python vscode>
```

Ln 7, Col 15 Spaces: 4 UTF-8 CRLF Python 3.10.7 64-bit 17:08 22/10/2022

8. Praktikum 5.7



The screenshot shows the Visual Studio Code interface with a Python file named `9.praktikum 5.7.py` open. The code creates two lists, `angka` and `angka_2`, calculates their sums, and prints the results. The output is displayed in the integrated PowerShell terminal on the right.

```
File Edit Selection View Go Run Terminal Help 9.praktikum 5.7.py - Python vscode - Visual Studio Code
```

```
9.praktikum 5.7.py x
Rally praktikum 5 > 9.praktikum 5.7.py > ...
1 angka = [4,3,7,5]
2 angka_2 = [1,3,6,4]
3 jumlah_1 = sum(angka)
4 jumlah_2 = sum(angka_2)
5 total = sum(angka + angka_2)
6
7 print(f"List 1 : {angka}")
8 print(f"List 2 : {angka_2}")
9 print(f"Jumlah Nilai List 1 : {jumlah_1}")
10 print(f"Jumlah Nilai List 2 : {jumlah_2}")
11 print(f"Jumlah Nilai Kedua List : {total}")
```

```
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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
5/9.praktikum 5.7.py"
List 1 : [4, 3, 7, 5]
List 2 : [1, 3, 6, 4]
Jumlah Nilai List 1 : 19
Jumlah Nilai List 2 : 14
Jumlah Nilai Kedua List : 33
PS C:\Users\USER\Documents\Python vscode>
```

Ln 11, Col 45 Spaces: 4 UTF-8 CRLF Python 3.10.7 64-bit 17:08 22/10/2022

