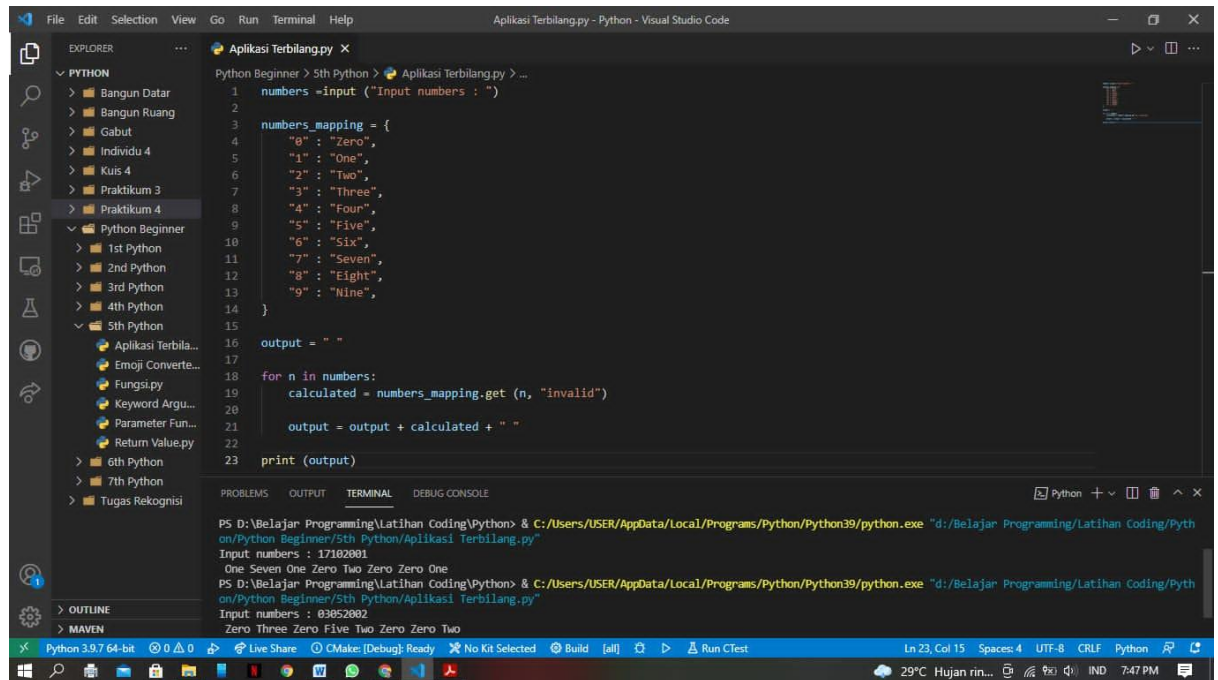


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1. Aplikasi Terbilang



```
Python Beginner > 5th Python > Aplikasi Terbilang.py > ...
1 numbers = input("Input numbers : ")
2
3
4 numbers_mapping = {
5     "0": "Zero",
6     "1": "One",
7     "2": "Two",
8     "3": "Three",
9     "4": "Four",
10    "5": "Five",
11    "6": "Six",
12    "7": "Seven",
13    "8": "Eight",
14    "9": "Nine",
15 }
16
17 output = " "
18 for n in numbers:
19     calculated = numbers_mapping.get(n, "invalid")
20     output = output + calculated + " "
21
22 print(output)
23
```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

PS D:\Belajar Programming\Latihan Coding\Python> & C:/Users/USER/AppData/Local/Programs/Python/Python39/python.exe "d:/Belajar Programming/Latihan Coding/Python/Python Beginner/5th Python/Aplikasi Terbilang.py"

Input numbers : 17102001

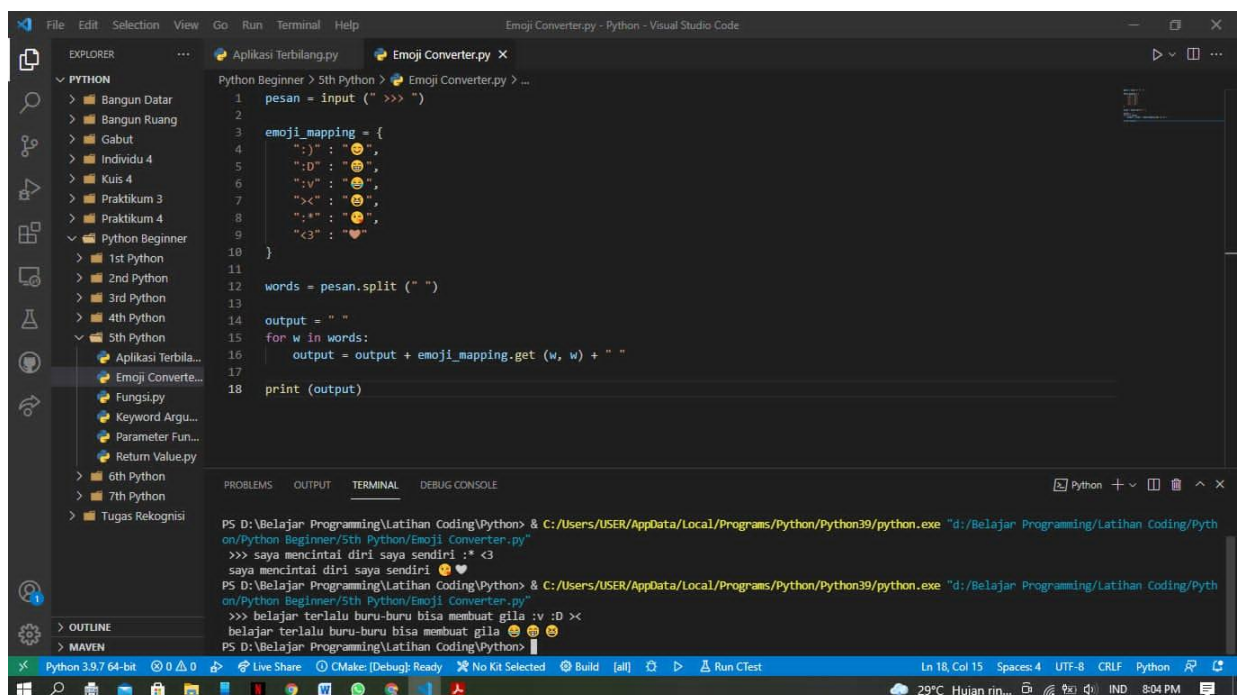
One Seven One Zero Two Zero Zero One

PS D:\Belajar Programming\Latihan Coding\Python> & C:/Users/USER/AppData/Local/Programs/Python/Python39/python.exe "d:/Belajar Programming/Latihan Coding/Python/Python Beginner/5th Python/Aplikasi Terbilang.py"

Input numbers : 03052002

Zero Three Zero Five Two Zero Zero Two

2. Emoji Coverter



```
Python Beginner > 5th Python > Emoji Converter.py > ...
1 pesan = input(" >>> ")
2
3
4 emoji_mapping = {
5     ":)": "😊",
6     ":D": "😄",
7     ":v": "😁",
8     "><": "😬",
9     ".*": "😍",
10    "<3": "❤️",
11 }
12
13 words = pesan.split(" ")
14
15 output = " "
16 for w in words:
17     output = output + emoji_mapping.get(w, w) + " "
18
19 print(output)
20
```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

PS D:\Belajar Programming\Latihan Coding\Python> & C:/Users/USER/AppData/Local/Programs/Python/Python39/python.exe "d:/Belajar Programming/Latihan Coding/Python/Python Beginner/5th Python/Emoji Converter.py"

>>> saya mencintai diri saya sendiri 😍❤️<3

saya mencintai diri saya sendiri 😍❤️

PS D:\Belajar Programming\Latihan Coding\Python> & C:/Users/USER/AppData/Local/Programs/Python/Python39/python.exe "d:/Belajar Programming/Latihan Coding/Python/Python Beginner/5th Python/Emoji Converter.py"

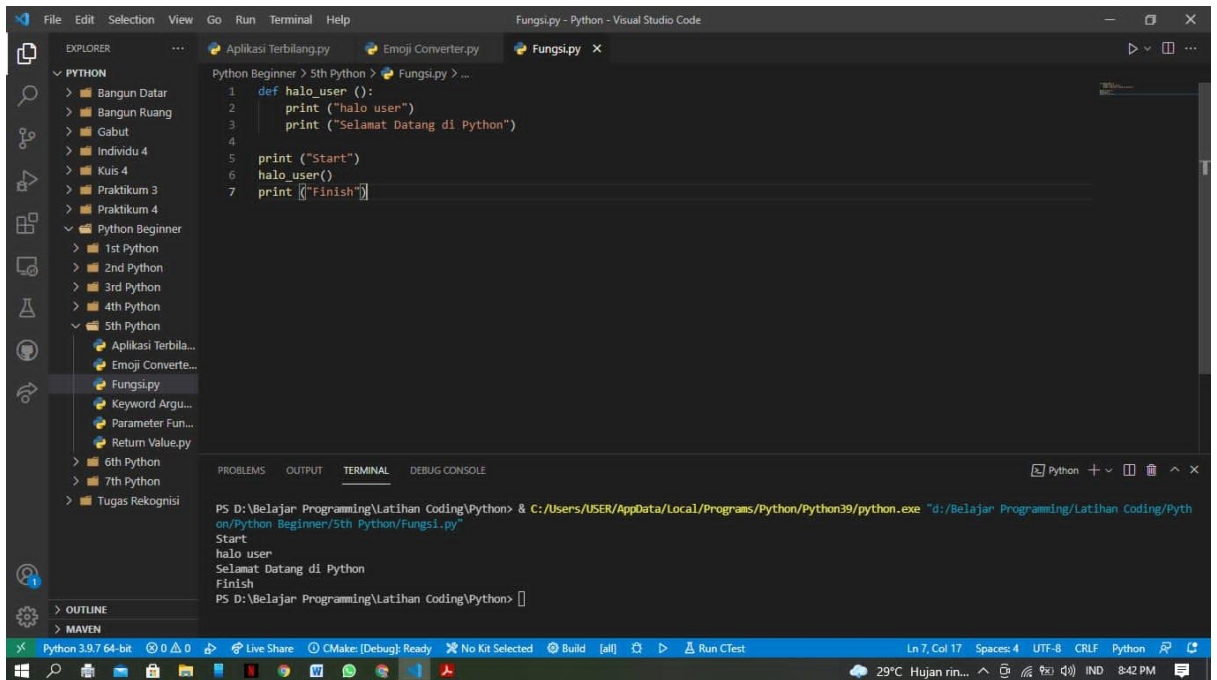
>>> belajar terlalu buru-buru bisa membuat gila :v :D ><

belajar terlalu buru-buru bisa membuat gila 😁😬😄

PS D:\Belajar Programming\Latihan Coding\Python>

3. Fungsi

- Print () Berguna untuk mencetak suatu nilai/kalimat dalam program
- Input() Menangkap inputan dari user lalu di rekam di dalam variable
- Def keyword untuk definisi fungsi



The screenshot shows the Visual Studio Code interface with a file explorer on the left displaying a project structure under 'PYTHON'. The 'Fungsi.py' file is selected. The main editor shows the following code:

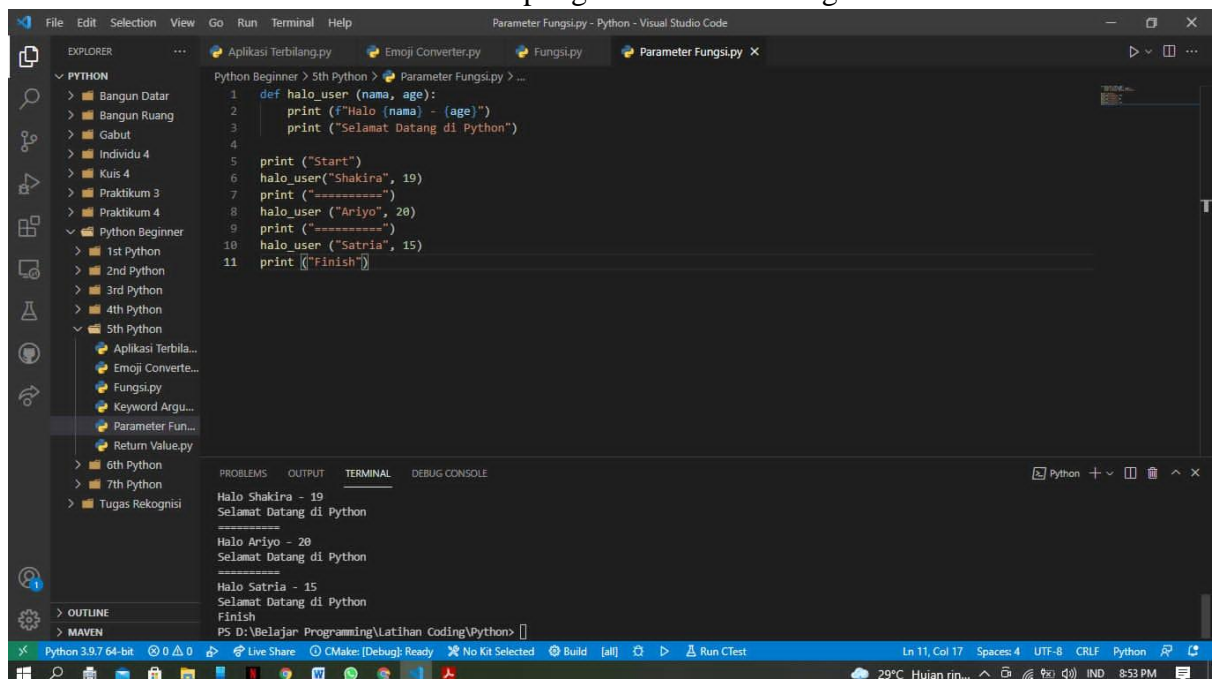
```
1 def halo_user():
2     print("halo user")
3     print("Selamat Datang di Python")
4
5 print("Start")
6 halo_user()
7 print("Finish")
```

The terminal at the bottom shows the output of running the script:

```
PS D:\Belajar Programming\Latihan Coding\Python> C:\Users\USER\AppData\Local\Programs\Python\Python39\python.exe "d:/Belajar Programming/Latihan Coding/Python/Python Beginner/5th Python/Fungsi.py"
Start
halo user
Selamat Datang di Python
Finish
PS D:\Belajar Programming\Latihan Coding\Python>
```

4. Parameter Fungsi

Parameter adalah variable untuk menampung nilai di dalam fungsi



The screenshot shows the Visual Studio Code interface with a file explorer on the left displaying a project structure under 'PYTHON'. The 'Parameter Fungsi.py' file is selected. The main editor shows the following code:

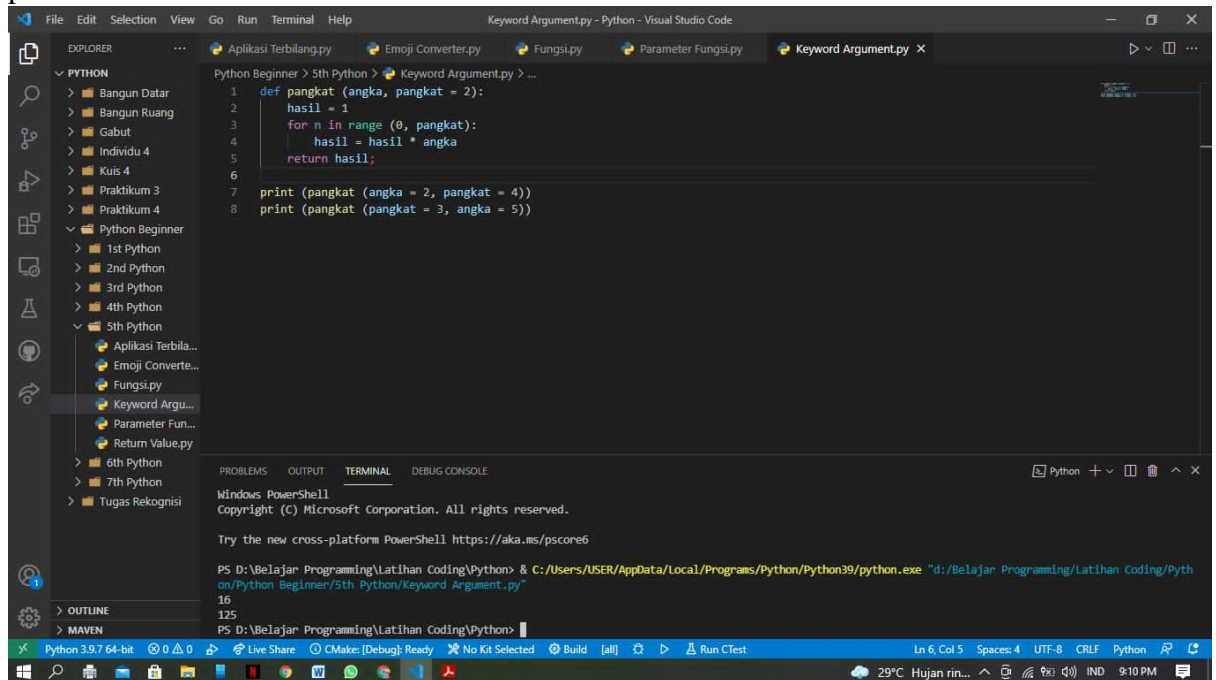
```
1 def halo_user (nama, age):
2     print (f"Halo {nama} - {age}")
3     print ("Selamat Datang di Python")
4
5 print ("Start")
6 halo_user("Shakira", 19)
7 print ("=====")
8 halo_user ("Ariyo", 20)
9 print ("=====")
10 halo_user ("Satria", 15)
11 print ("Finish")
```

The terminal at the bottom shows the output of running the script:

```
PS D:\Belajar Programming\Latihan Coding\Python>
Halo Shakira - 19
Selamat Datang di Python
=====
Halo Ariyo - 20
Selamat Datang di Python
=====
Halo Satria - 15
Selamat Datang di Python
Finish
PS D:\Belajar Programming\Latihan Coding\Python>
```

5. Keyword Argument

Cara mengirimkan nilai dari argument kedalam parameter function. Dengan menggunakan ini saat menjalankan fungsi kita tidak perlu bergantung pada urutan parameter.



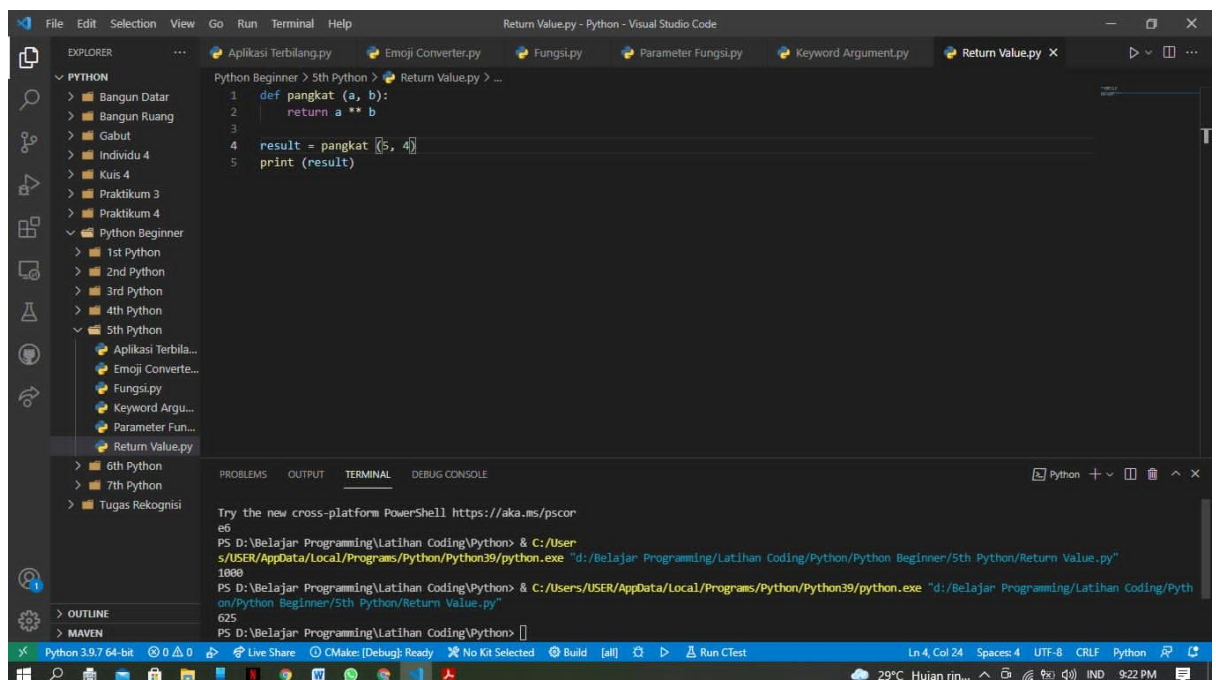
The screenshot shows the Visual Studio Code interface with a Python file named 'Keyword Argument.py'. The code defines a function 'pangkat' that takes two parameters: 'angka' and 'pangkat'. The function calculates the power of 'angka' to the 'pangkat' using a loop. The function is then called twice: first with 'angka = 2' and 'pangkat = 4', and second with 'pangkat = 3' and 'angka = 5'.

```
1 def pangkat (angka, pangkat = 2):
2     hasil = 1
3     for n in range (0, pangkat):
4         hasil = hasil * angka
5     return hasil;
6
7 print (pangkat (angka = 2, pangkat = 4))
8 print (pangkat (pangkat = 3, angka = 5))
```

The terminal output shows the execution of the script, displaying the results of the function calls.

6. Return Value

Return statmen adalah nilai yang di kembalikan dari operasi sebuah fungsi



The screenshot shows the Visual Studio Code interface with a Python file named 'Return Value.py'. The code defines a function 'pangkat' that takes two parameters: 'a' and 'b'. The function returns the result of 'a ** b'. The function is then called with 'a = 5' and 'b = 4', and the result is printed.

```
1 def pangkat (a, b):
2     return a ** b
3
4 result = pangkat (5, 4)
5 print (result)
```

The terminal output shows the execution of the script, displaying the result of the function call.