

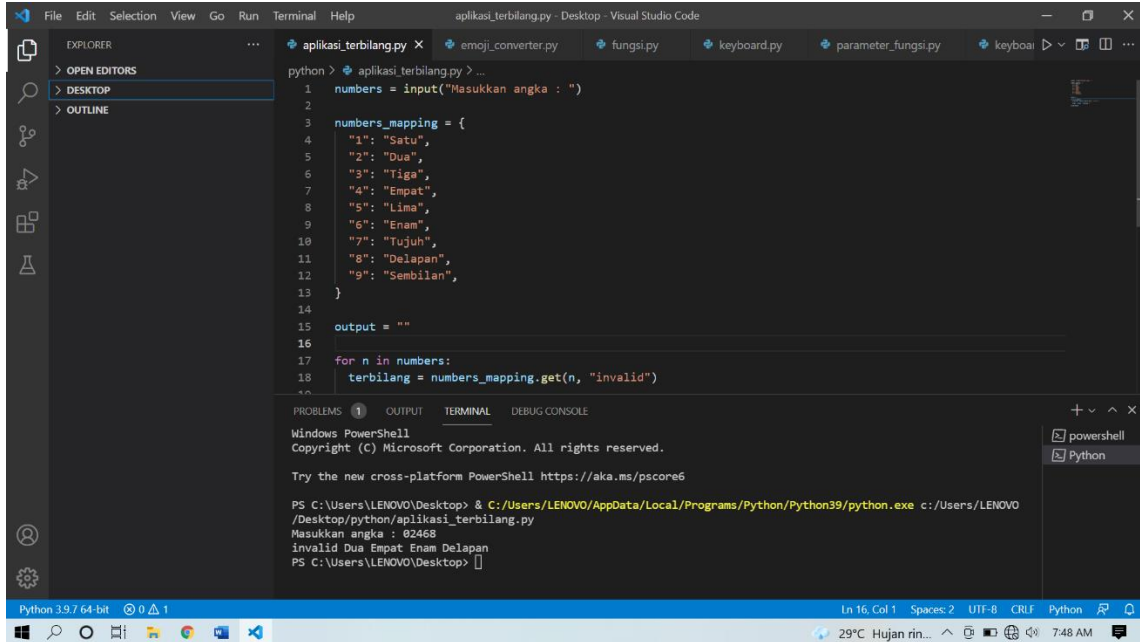
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NIM : 20.01.013.025

Kelas : Teknik Informatika A

Tugas Python 5

1. Aplikasi Terbilang



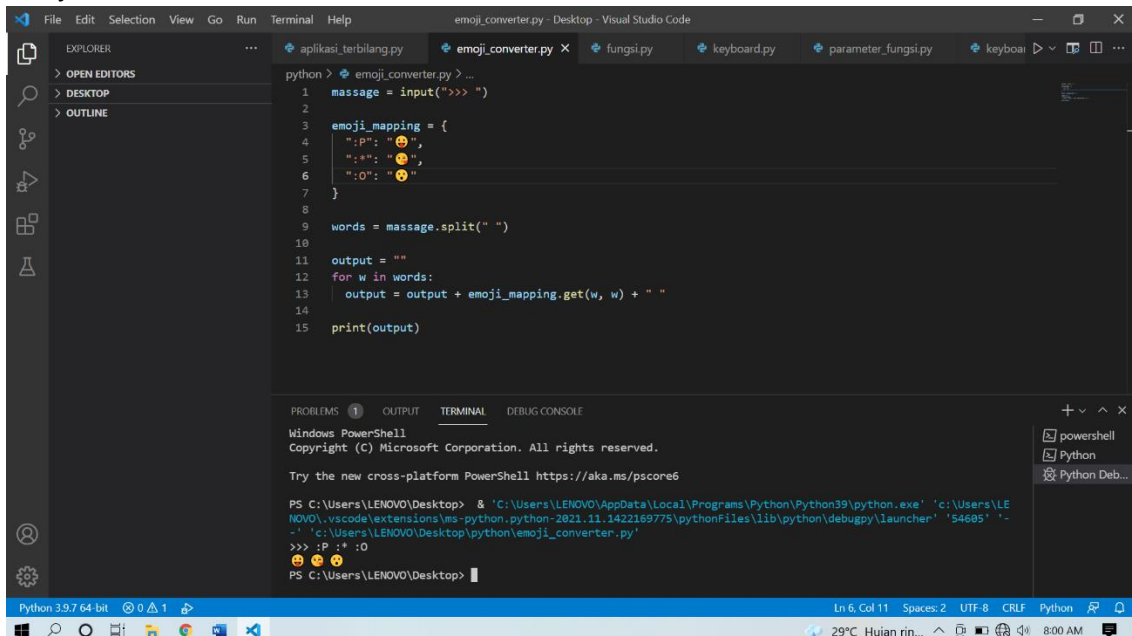
The screenshot shows the Visual Studio Code interface with the file 'aplikasi_terbilang.py' open. The code defines a dictionary 'numbers_mapping' with Indonesian number words and a function to convert a numeric input into its Indonesian word representation. The terminal shows the program being executed, with the user inputting '02468' and the program outputting 'Invalid Dua Empat Enam Delapan'.

```
python > aplikasi_terbilang.py > ...
1 numbers = input("Masukkan angka : ")
2
3 numbers_mapping = {
4     "1": "Satu",
5     "2": "Dua",
6     "3": "Tiga",
7     "4": "Empat",
8     "5": "Lima",
9     "6": "Enam",
10    "7": "Tujuh",
11    "8": "Delapan",
12    "9": "Sembilan",
13 }
14
15 output = ""
16
17 for n in numbers:
18     terbilang = numbers_mapping.get(n, "invalid")
19     output += terbilang + " "
20
21 print(output)
```

Windows PowerShell
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PS C:\Users\LENOVO\Desktop> & C:/Users/LENOVO/AppData/Local/Programs/Python/Python39/python.exe c:/Users/LENOVO/Desktop/python/aplikasi_terbilang.py
Masukkan angka : 02468
Invalid Dua Empat Enam Delapan
PS C:\Users\LENOVO\Desktop>

2. Emoji Converter



The screenshot shows the Visual Studio Code interface with the file 'emoji_converter.py' open. The code defines a dictionary 'emoji_mapping' with emoji representations for letters and digits, and a function to convert a message into its emoji representation. The terminal shows the program being executed, with the user inputting ':P :D :0' and the program outputting ':P :D :0'.

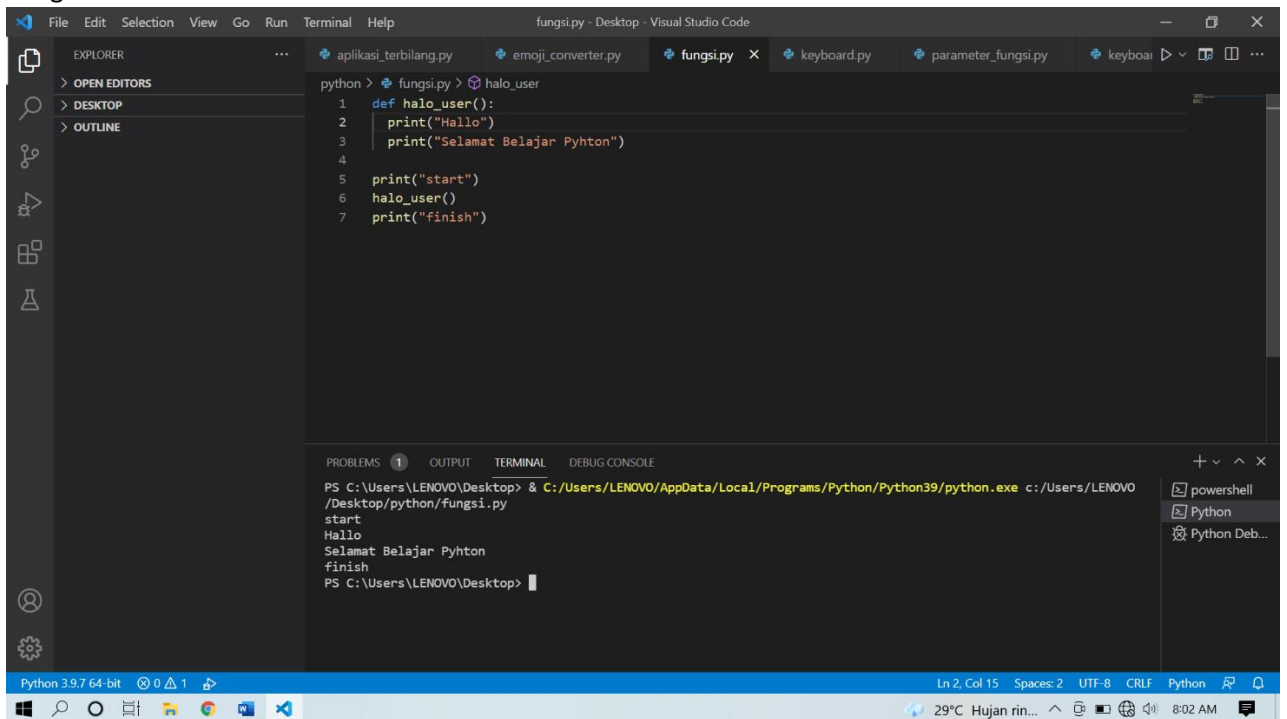
```
python > emoji_converter.py > ...
1 message = input(">>> ")
2
3 emoji_mapping = {
4     ":P": "😏",
5     ":D": "😄",
6     ":0": "😏",
7 }
8
9 words = message.split(" ")
10
11 output = ""
12 for w in words:
13     output = output + emoji_mapping.get(w, w) + " "
14
15 print(output)
```

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

PS C:\Users\LENOVO\Desktop> & 'C:\Users\LENOVO\AppData\Local\Programs\Python\Python39\python.exe' 'c:\Users\LENOVO\vscode\extensions\ms-python.python-2021.11.1422169775\pythonFiles\lib\python\debugpy\launcher' '54605' '-'

>>> :P :D :0
😏 😄 😏
PS C:\Users\LENOVO\Desktop>

3. Fungsi



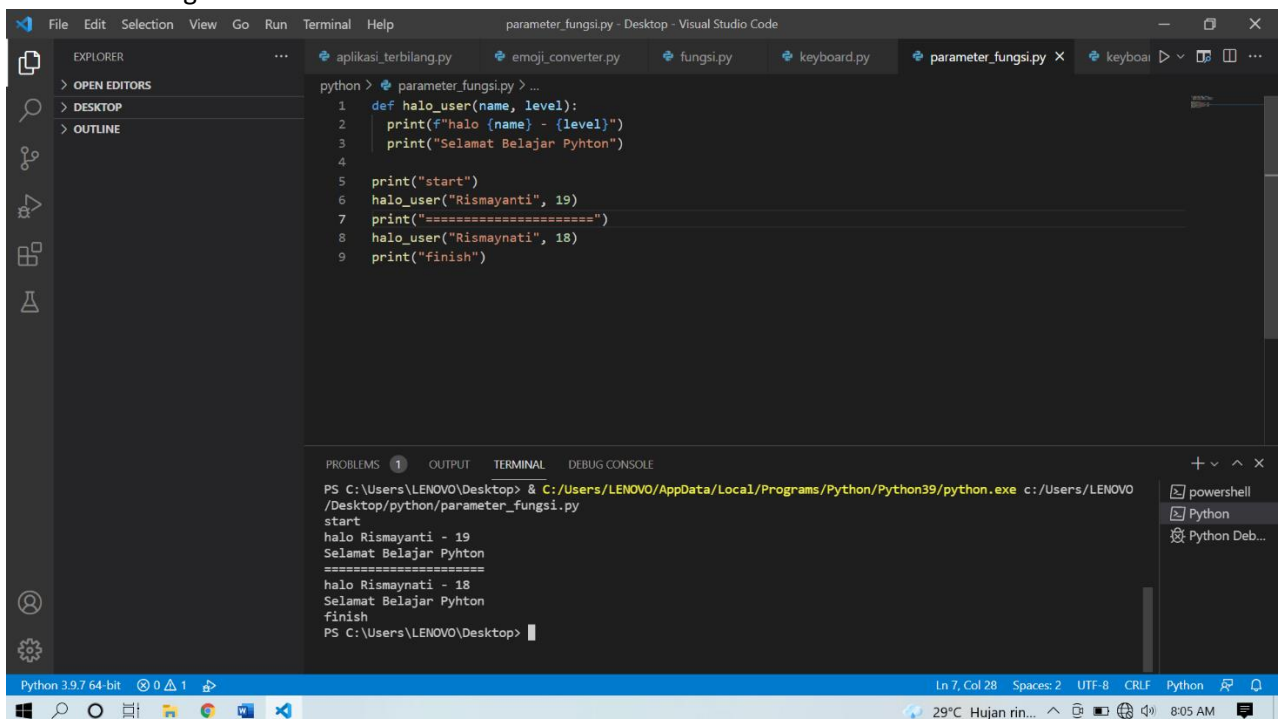
The screenshot shows the Visual Studio Code interface with the file explorer on the left. The main editor displays the code for 'fungsi.py':

```
python > fungsi.py > halo_user
1 def halo_user():
2     print("Halo")
3     print("Selamat Belajar Pyhton")
4
5     print("start")
6     halo_user()
7     print("finish")
```

The terminal at the bottom shows the execution output:

```
PS C:\Users\LENOVO\Desktop> & C:/Users/LENOVO/AppData/Local/Programs/Python/Python39/python.exe c:/Users/LENOVO/Desktop/python/fungsi.py
start
Halo
Selamat Belajar Pyhton
finish
PS C:\Users\LENOVO\Desktop>
```

4. Parameter Fungsi



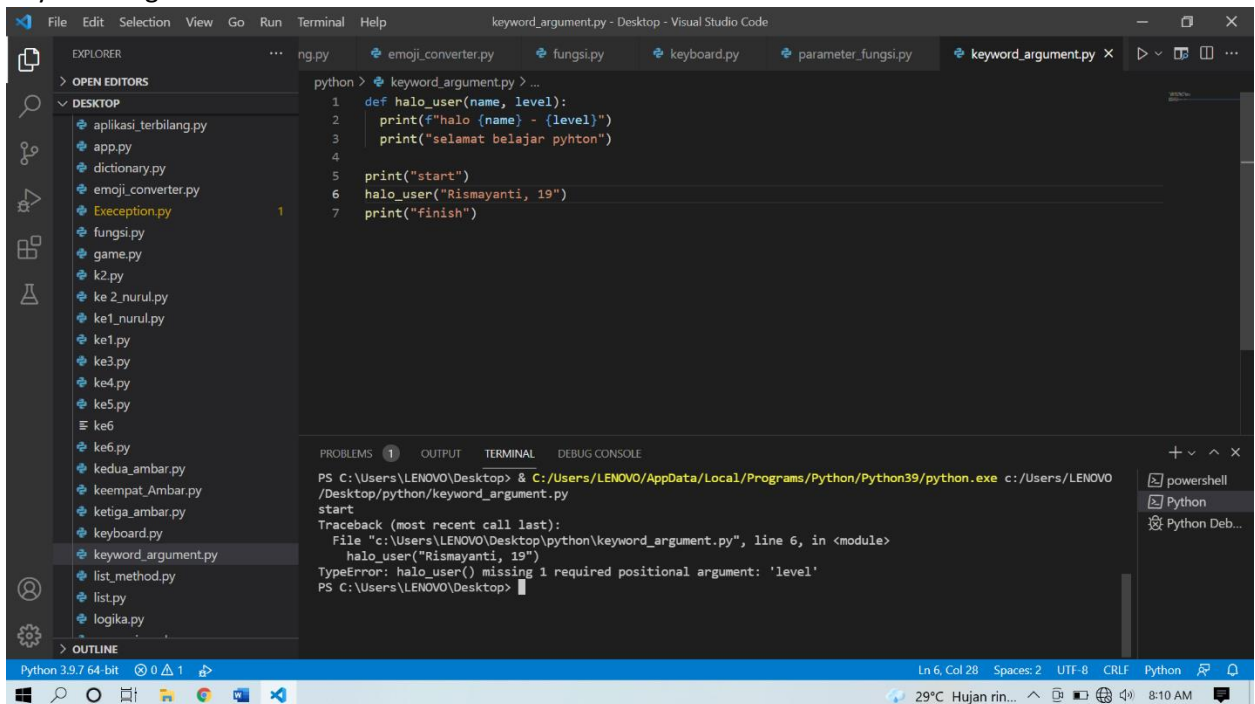
The screenshot shows the Visual Studio Code interface with the file explorer on the left. The main editor displays the code for 'parameter_fungsi.py':

```
python > parameter_fungsi.py > ...
1 def halo_user(name, level):
2     print(f"halo {name} - {level}")
3     print("Selamat Belajar Pyhton")
4
5     print("start")
6     halo_user("Rismayanti", 19)
7     print("=====")
8     halo_user("Rismaynati", 18)
9     print("finish")
```

The terminal at the bottom shows the execution output:

```
PS C:\Users\LENOVO\Desktop> & C:/Users/LENOVO/AppData/Local/Programs/Python/Python39/python.exe c:/Users/LENOVO/Desktop/python/parameter_fungsi.py
start
halo Rismayanti - 19
Selamat Belajar Pyhton
=====
halo Rismaynati - 18
Selamat Belajar Pyhton
finish
PS C:\Users\LENOVO\Desktop>
```

5. Keyword Argumen



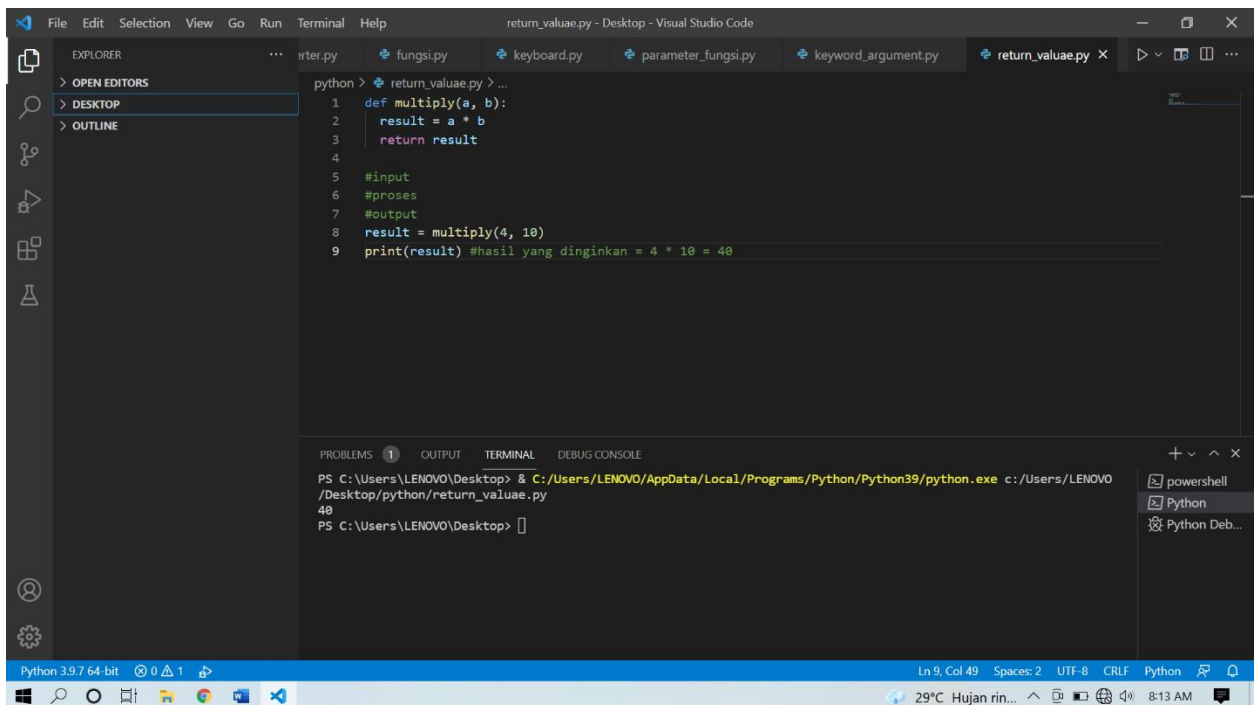
The screenshot shows the Visual Studio Code interface with a Python file named `keyword_argument.py` open. The code defines a function `halo_user(name, level)` and calls it with `halo_user("Rismayanti, 19")`. The terminal shows a `TypeError: halo_user() missing 1 required positional argument: 'level'` error.

```
python > keyword_argument.py > ...
1 def halo_user(name, level):
2     print(f"halo {name} - {level}")
3     print("selamat belajar pyhton")
4
5     print("start")
6     halo_user("Rismayanti, 19")
7     print("finish")
```

PROBLEMS 1 OUTPUT TERMINAL DEBUG CONSOLE

```
PS C:\Users\LENOVO\Desktop> & C:/Users/LENOVO/AppData/Local/Programs/Python/Python39/python.exe c:/Users/LENOVO/Desktop/python/keyword_argument.py
start
Traceback (most recent call last):
  File "c:\Users\LENOVO\Desktop\python\keyword_argument.py", line 6, in <module>
    halo_user("Rismayanti, 19")
TypeError: halo_user() missing 1 required positional argument: 'level'
PS C:\Users\LENOVO\Desktop>
```

6. Return Value



The screenshot shows the Visual Studio Code interface with a Python file named `return_value.py` open. The code defines a function `multiply(a, b)` that returns the product of `a` and `b`. The terminal shows the output of the script: `40`.

```
python > return_value.py > ...
1 def multiply(a, b):
2     result = a * b
3     return result
4
5 #input
6 #proses
7 #output
8 result = multiply(4, 10)
9 print(result) #hasil yang diinginkan = 4 * 10 = 40
```

PROBLEMS 1 OUTPUT TERMINAL DEBUG CONSOLE

```
PS C:\Users\LENOVO\Desktop> & C:/Users/LENOVO/AppData/Local/Programs/Python/Python39/python.exe c:/Users/LENOVO/Desktop/python/return_value.py
40
PS C:\Users\LENOVO\Desktop>
```