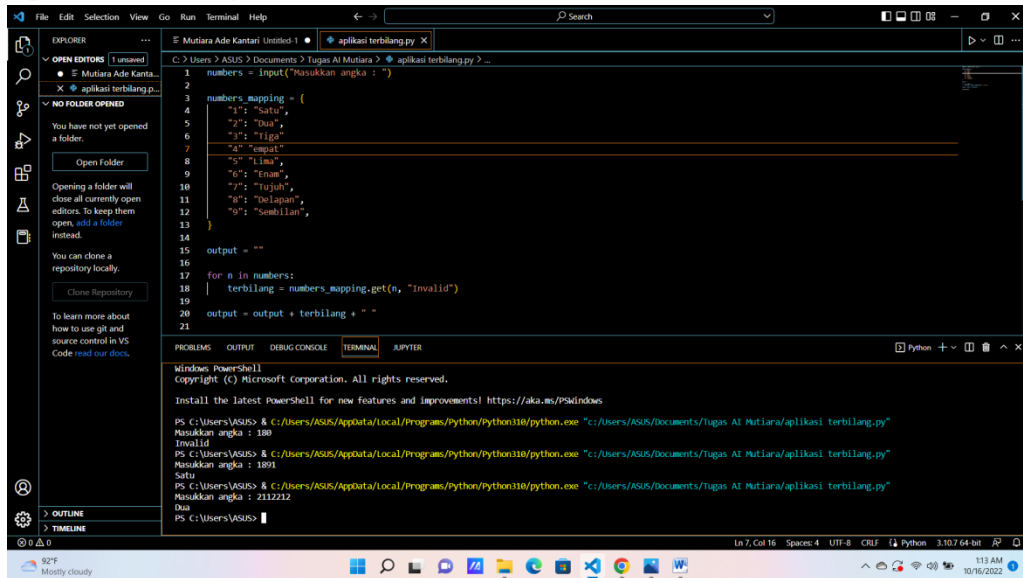


MINGGU II PY5

NAMA : MUTIARA ADE KANTARI

NIM : 211001065

1. Aplikasi Terbilang

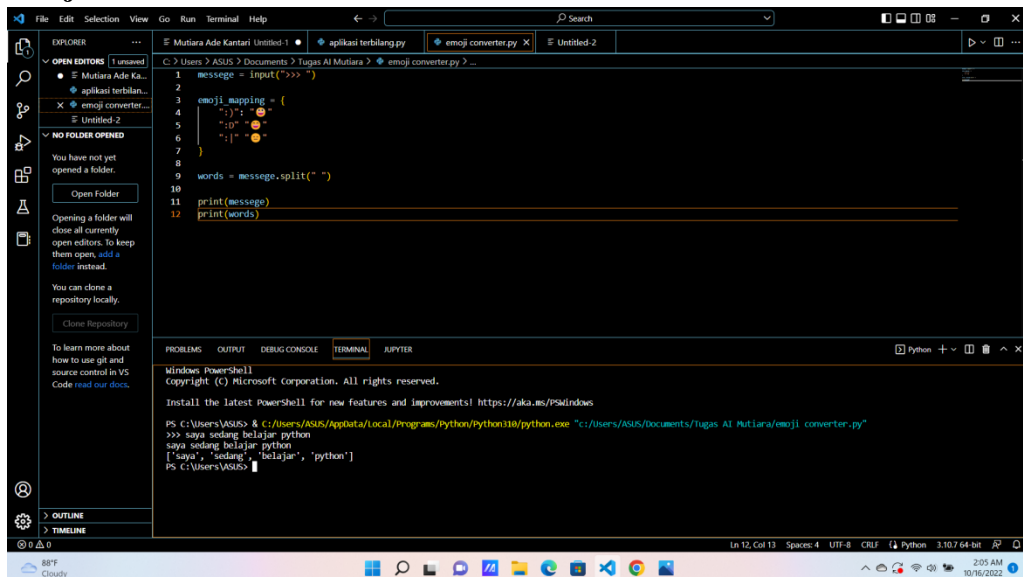


```
1 numbers = Input("Masukkan angka : ")
2
3 numbers_mapping = {
4     "1": "Satu",
5     "2": "Dua",
6     "3": "Tiga",
7     "4": "empat",
8     "5": "lima",
9     "6": "enam",
10    "7": "tujuh",
11    "8": "delapan",
12    "9": "sembilan",
13 }
14
15 output = ""
16
17 for n in numbers:
18     terbilang = numbers_mapping.get(n, "invalid")
19     output = output + terbilang + " "
20
21
```

Terminal output:

```
PS C:\Users\ASUS> & c:\Users\ASUS\AppData\Local\Programs\Python\Python310\python.exe "c:/Users/ASUS/Documents/tugas AI Mutiara/aplikasi terbilang.py"
Masukkan angka : 100
Invalid
PS C:\Users\ASUS> & c:\Users\ASUS\AppData\Local\Programs\Python\Python310\python.exe "c:/Users/ASUS/Documents/tugas AI Mutiara/aplikasi terbilang.py"
Masukkan angka : 1001
Satu
PS C:\Users\ASUS> & c:\Users\ASUS\AppData\Local\Programs\Python\Python310\python.exe "c:/Users/ASUS/Documents/tugas AI Mutiara/aplikasi terbilang.py"
Masukkan angka : 2122212
Dua
```

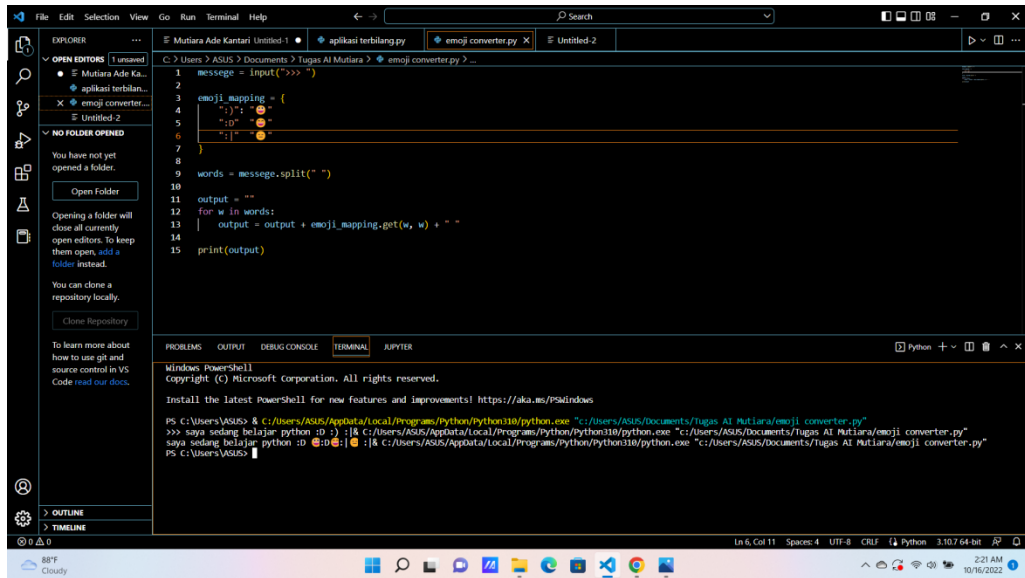
2. Emoji Converter



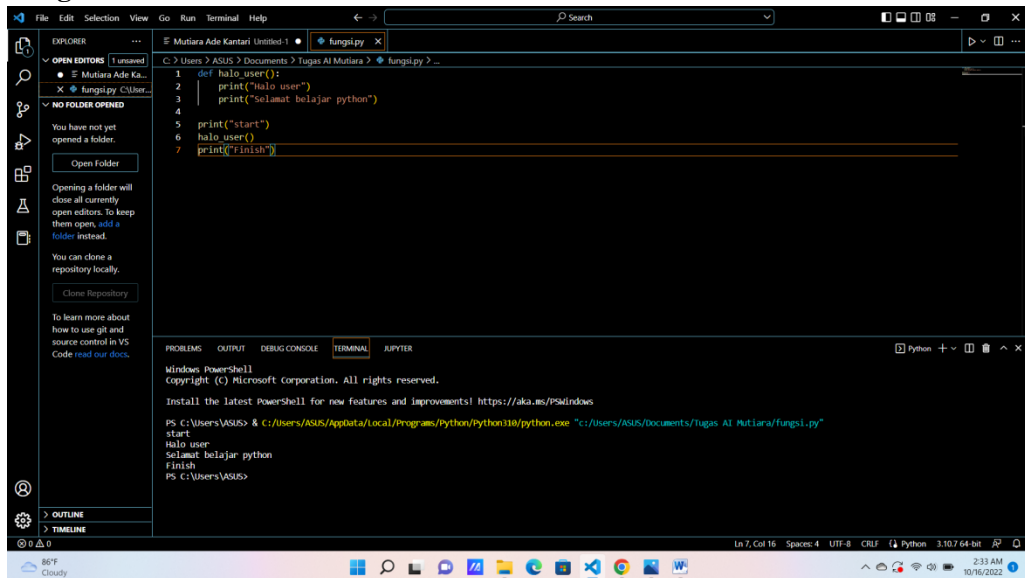
```
1 message = Input(">>> ")
2
3 emoji_mapping = {
4     "i": "👉",
5     "o": "👈",
6     "l": "👉",
7 }
8
9 words = message.split(" ")
10
11 print(message)
12 print(words)
```

Terminal output:

```
PS C:\Users\ASUS> & c:\Users\ASUS\AppData\Local\Programs\Python\Python310\python.exe "c:/Users/ASUS/Documents/tugas AI Mutiara/emoji converter.py"
>>> saya sedang belajar python
['saya', 'sedang', 'belajar', 'python']
PS C:\Users\ASUS>
```



3. Fungsi



The screenshot shows the Visual Studio Code interface. The Explorer pane on the left shows a file named 'fungsi.py' under the 'Mutlari Ade Kantari' workspace. The main editor area displays the following Python code:

```
1 def halo_user():
2     print("halo user")
3     print("selamat belajar python")
4
5 halo_user()
6 print("start")
7 print("finish")
```

The TERMINAL pane at the bottom shows the command prompt output:

```
Windows PowerShell
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PS C:\Users\ASUS> & C:\Users\ASUS\AppData\Local\Programs\Python\Python310\python.exe "C:\Users\ASUS\Documents\Tugas AI Mutlari\fungsi.py"
Halo user
Selamat belajar python
start
Finish
PS C:\Users\ASUS>
```

4. Paramterer Fungsi

The screenshot shows the Visual Studio Code interface. The Explorer pane on the left shows a file named 'parameter fungsi.py' under the 'Mutlari Ade Kantari' workspace. The main editor area displays the following Python code:

```
1 def halo_user(name):
2     print("halo user")
3     print("selamat belajar python")
4
5 print("start")
6 halo_user("Mutlari")
7 print("finish")
8
```

The TERMINAL pane at the bottom shows the command prompt output:

```
Windows PowerShell
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PS C:\Users\ASUS> & C:\Users\ASUS\AppData\Local\Programs\Python\Python310\python.exe "C:\Users\ASUS\Documents\Tugas AI Mutlari\parameter fungsi.py"
start
Halo user
Selamat belajar python
finish
PS C:\Users\ASUS>
```

The screenshot shows the Visual Studio Code interface. The Explorer sidebar on the left shows a file named 'parameter fungsi.py' in the folder 'Mutlari Ade Kantari'. The main editor area displays the following Python code:

```
1 def halo_user(name):
2     print(f"halo {name}")
3     print("halo user")
4     print("selamat belajar python")
5
6 print("start")
7 halo_user("Mutlari")
8 print("finish")
9
```

The TERMINAL panel at the bottom shows the command prompt output:

```
Windows PowerShell
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PS C:\Users\ASUS> & C:\Users\ASUS\AppData\Local\Programs\Python\Python310\python.exe "c:\Users\ASUS\Documents\Tugas AI Mutlari\parameter fungsi.py"
start
Halo Mutlari
Halo user
Selamat belajar python
Finish
PS C:\Users\ASUS>
```

The screenshot shows the Visual Studio Code interface with a modified Python script. The Explorer sidebar shows the file 'parameter fungsi.py'. The main editor area displays the following Python code:

```
1 def halo_user(name):
2     print(f"halo {name}")
3     print("halo user")
4     print("selamat belajar python")
5
6 print("start")
7 halo_user("Mutlari")
8 print("=====")
9 halo_user("ade")
10 print("finish")
11
```

The TERMINAL panel at the bottom shows the command prompt output:

```
Windows PowerShell
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PS C:\Users\ASUS> & C:\Users\ASUS\AppData\Local\Programs\Python\Python310\python.exe "c:\Users\ASUS\Documents\Tugas AI Mutlari\parameter fungsi.py"
start
Halo Mutlari
Halo user
Selamat belajar python
=====
Halo Ade
Halo user
Selamat belajar python
Finish
PS C:\Users\ASUS>
```

5. Keyword Argument

The image displays two screenshots of a Visual Studio Code (VS Code) editor window, illustrating the use of keyword arguments in Python.

Top Screenshot: The editor shows a file named `keyword_argument.py` with the following Python code:

```
1 def halo_user(name, level):
2     print(f"halo {name} - {level}")
3     print("Selamat belajar python")
4
5 print("start")
6 halo_user(22, "Mutlارا")
7 print("finish")
```

The terminal output shows the execution of the script:

```
Windows PowerShell
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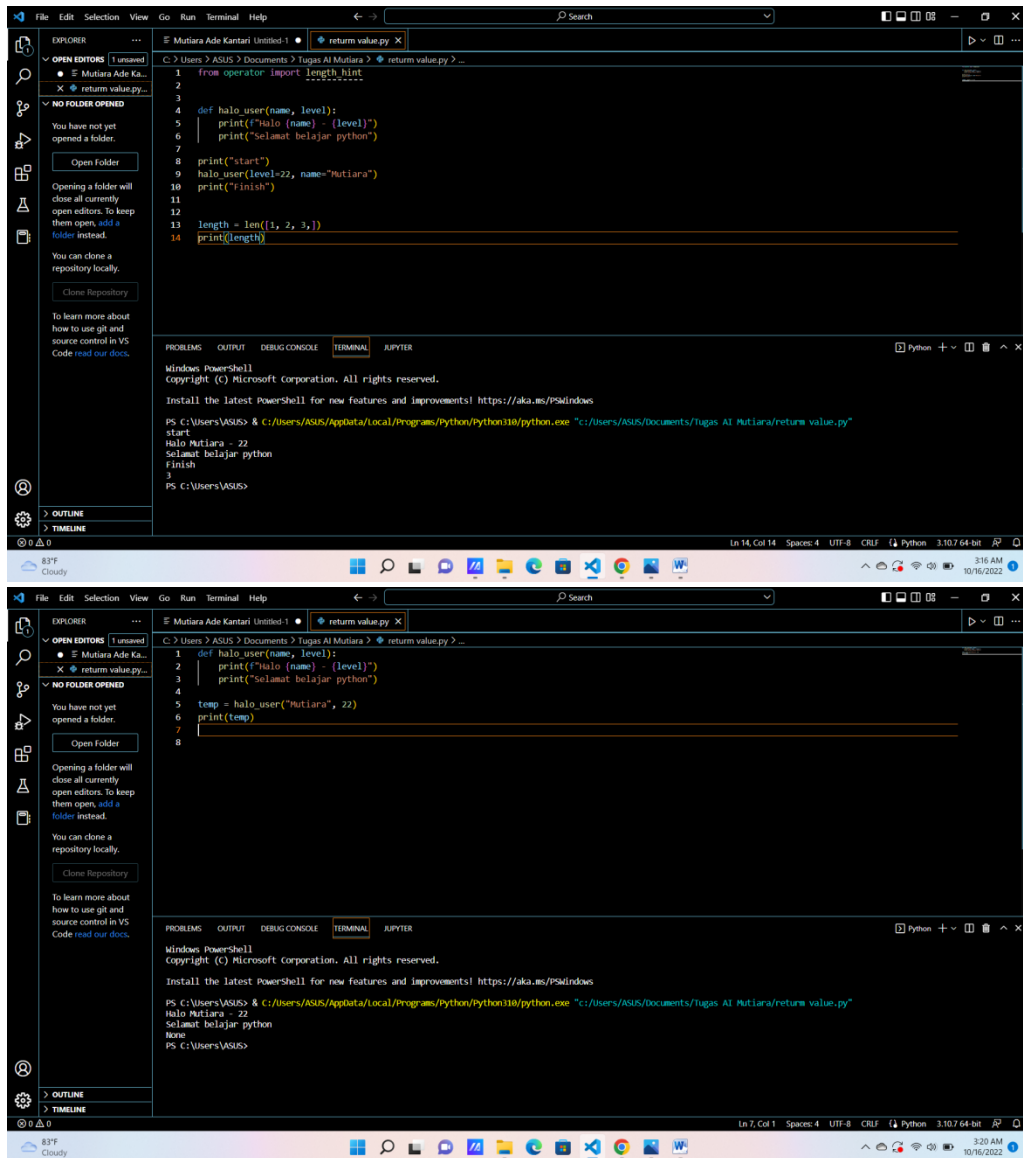
PS C:\Users\ASUS> & C:/Users/ASUS/AppData/Local/Programs/Python/Python310/python.exe "C:/Users/ASUS/Documents/Tugas AI Mutlارا/keyword_argument.py"
start
Halo 22 - Mutlارا
Selamat belajar python
finish
PS C:\Users\ASUS>
```

Bottom Screenshot: The editor shows the same file, but the code has been modified to use keyword arguments:

```
1 def halo_user(name, level):
2     print(f"halo {name} - {level}")
3     print("Selamat belajar python")
4
5 print("start")
6 halo_user(level=22, name="Mutlارا")
7 print("finish")
```

The terminal output remains the same, demonstrating that the script still runs correctly with the keyword arguments provided.

6. Return value



The image displays two screenshots of a Visual Studio Code (VS Code) editor window, showing a Python script and its execution in a terminal.

Top Screenshot:

- The Explorer pane on the left shows the file structure with "return value.py" selected.
- The Editor pane displays the following Python code:

```
1 from operator import length_hint
2
3
4 def halo_user(name, level):
5     print(f"halo {name} - {level}")
6     print("selamat belajar python")
7
8 print("start")
9 halo_user(level=22, name="Mutlari")
10 print("finish")
11
12 length = len([1, 2, 3,])
13 print(length)
```
- The Terminal pane at the bottom shows the command prompt output:

```
Windows PowerShell
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PS C:\Users\ASUS> & C:/Users/ASUS/AppData/Local/Programs/Python/Python310/python.exe "C:/Users/ASUS/Documents/tugas AI Mutlari/return value.py"
start
Halo Mutlari - 22
Selamat belajar python
finish
3
PS C:\Users\ASUS>
```

Bottom Screenshot:

- The Explorer pane on the left shows the file structure with "return value.py" selected.
- The Editor pane displays the following Python code:

```
1 def halo_user(name, level):
2     print(f"halo {name} - {level}")
3     print("selamat belajar python")
4
5 temp = halo_user("Mutlari", 22)
6 print(temp)
7
8
```
- The Terminal pane at the bottom shows the command prompt output:

```
Windows PowerShell
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PS C:\Users\ASUS> & C:/Users/ASUS/AppData/Local/Programs/Python/Python310/python.exe "C:/Users/ASUS/Documents/tugas AI Mutlari/return value.py"
Halo Mutlari - 22
Selamat belajar python
None
PS C:\Users\ASUS>
```

