

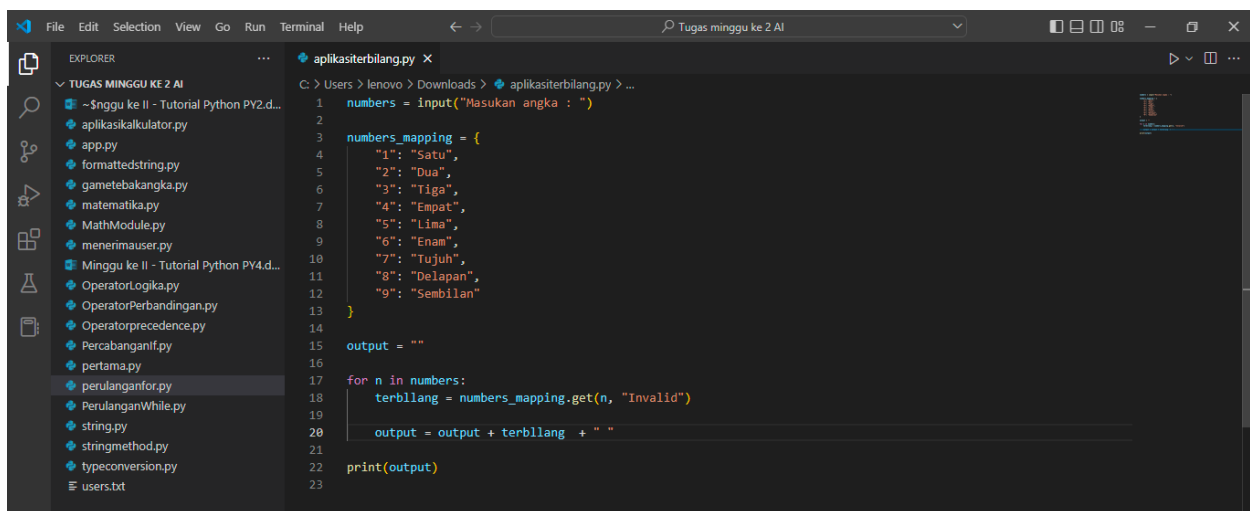
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NIM : 211001038

KELAS : D/KECERDASAN BUATAN

- Aplikasi Terbilang

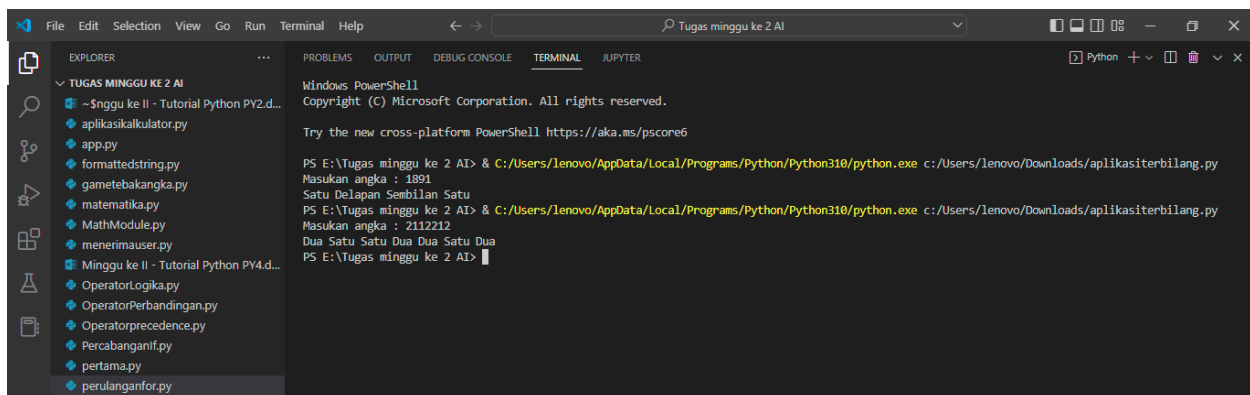
Contoh dalam vs code



The screenshot shows the VS Code editor interface. The Explorer panel on the left displays a project named 'TUGAS MINGGU KE 2 AI' with various Python files. The main editor window shows the file 'aplikasiterbilang.py' with the following code:

```
C:\Users\lenovo\Downloads> aplikasiTerbilang.py > ...
1 numbers = input("Masukan 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
20     output = output + terbilang + " "
21
22 print(output)
```

Run VS CODE



The screenshot shows the VS Code editor interface with the Terminal panel open. The terminal displays the execution of the Python script 'aplikasiterbilang.py' in a Windows PowerShell environment. The output shows the script running successfully and displaying the results of the input numbers.

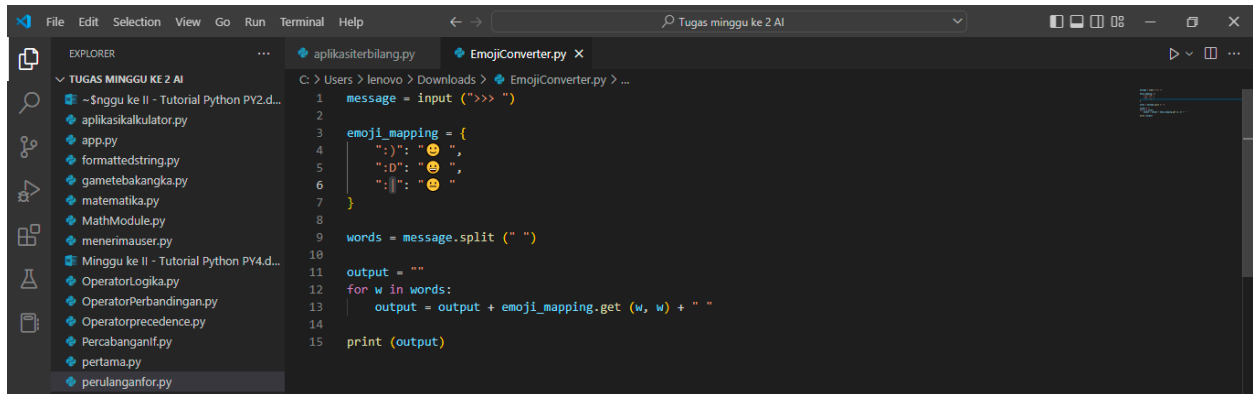
```
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/powershell

PS E:\Tugas minggu ke 2 AI> & C:\Users\lenovo\AppData\Local\Programs\Python\Python310\python.exe c:/Users/lenovo/Downloads/aplikasiterbilang.py
Masukan angka : 1891
Satu Delapan Sembilan Satu
PS E:\Tugas minggu ke 2 AI> & C:\Users\lenovo\AppData\Local\Programs\Python\Python310\python.exe c:/Users/lenovo/Downloads/aplikasiterbilang.py
Masukan angka : 2112212
Dua Satu Satu Dua Dua Satu Dua
PS E:\Tugas minggu ke 2 AI>
```

- Emoji Converter

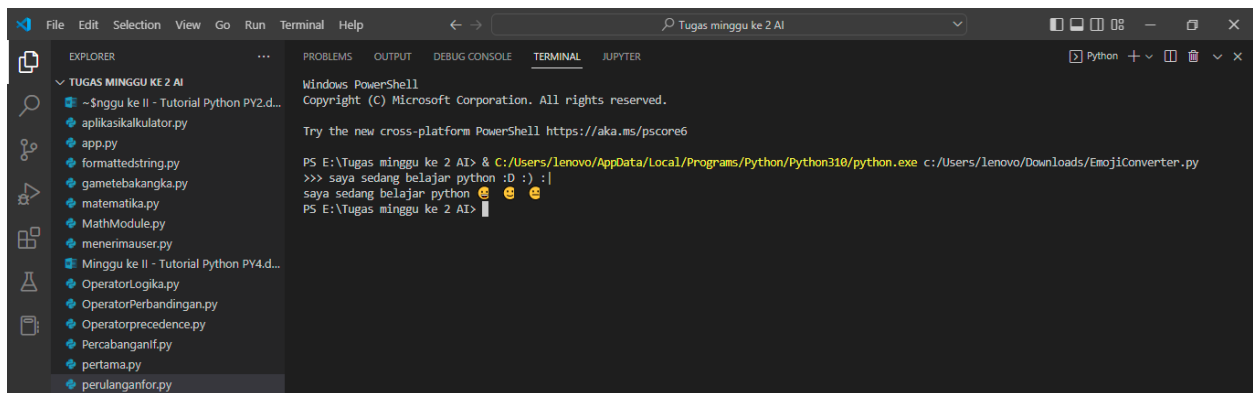
Contoh dalam VS CODE



The screenshot shows the VS Code interface with the Explorer sidebar on the left displaying a project named 'TUGAS MINGGU KE 2 AI'. The main editor window is open to the file 'EmojiConverter.py' located at 'C:\Users\lenovo\Downloads\EmojiConverter.py'. The code in the file is as follows:

```
1 message = input(">>> ")
2
3 emoji_mapping = {
4     ":)": "😊",
5     ":D": "😄",
6     ":||": "😐"
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)
```

Run VS CODE



The screenshot shows the VS Code interface with the Explorer sidebar on the left. The main editor window is now the 'TERMINAL' tab, which is a Windows PowerShell window. The terminal output shows the execution of the script:

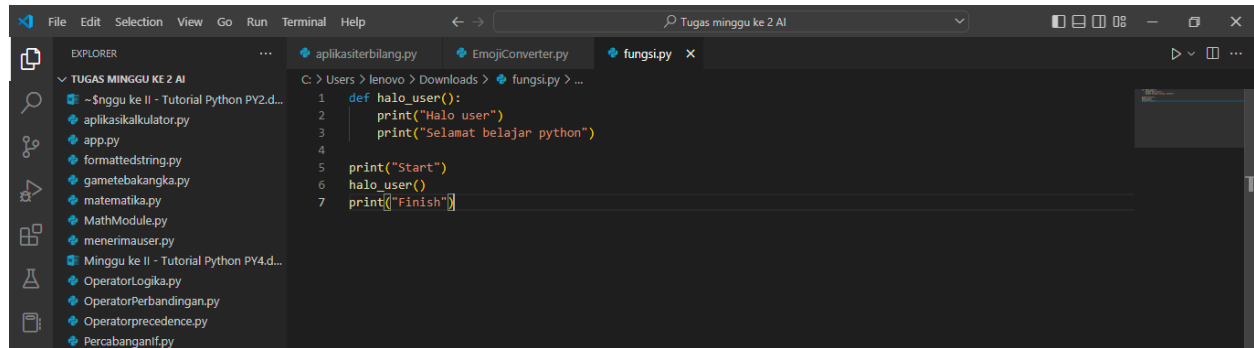
```
Windows PowerShell
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PS E:\Tugas minggu ke 2 AI> & C:/Users/lenovo/AppData/Local/Programs/Python/Python310/python.exe c:/Users/lenovo/Downloads/EmojiConverter.py
>>> saya sedang belajar python :D :) 😊
saya sedang belajar python 😄
PS E:\Tugas minggu ke 2 AI>
```

- Fungsi

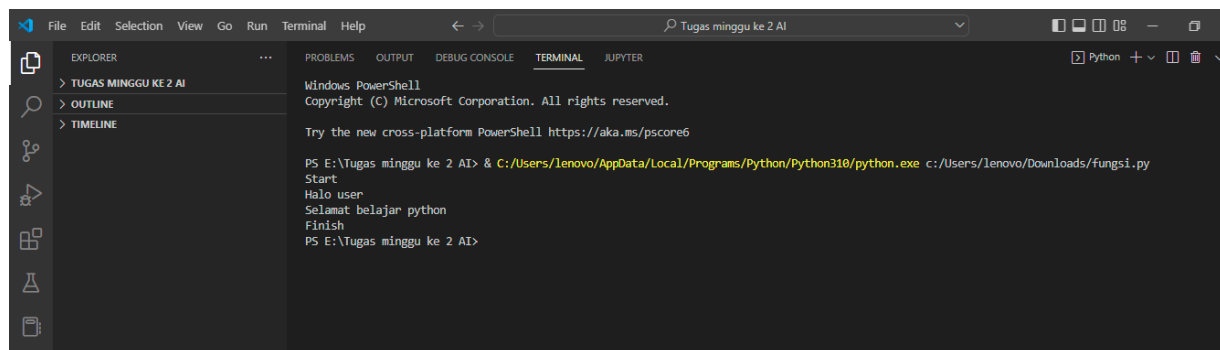
Contoh dalam VS CODE



The screenshot shows the Visual Studio Code interface. The Explorer panel on the left displays a project named 'TUGAS MINGGU KE 2 AI' with several Python files. The main editor window is open to 'fungsi.py', showing the following code:

```
1 def halo_user():
2     print("Halo user")
3     print("Selamat belajar python")
4
5 print("Start")
6 halo_user()
7 print("Finish")
```

Run VS CODE



The screenshot shows the Visual Studio Code interface with the Terminal panel open. The terminal displays the output of running the Python script 'fungsi.py' from the 'TUGAS MINGGU KE 2 AI' project. The output is as follows:

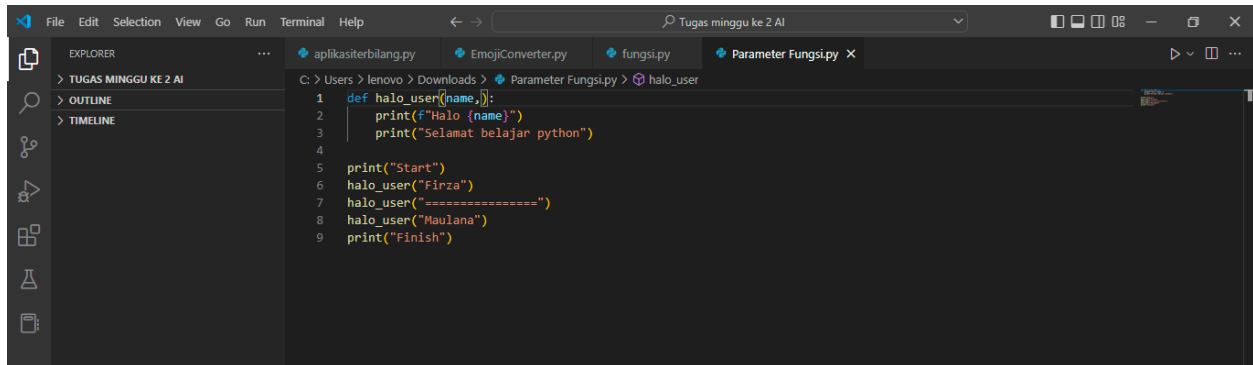
```
Windows PowerShell
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PS E:\Tugas minggu ke 2 AI> & C:/Users/lenovo/AppData/Local/Programs/Python/Python310/python.exe c:/Users/lenovo/Downloads/fungsi.py
Start
Halo user
Selamat belajar python
Finish
PS E:\Tugas minggu ke 2 AI>
```

- Parameter Fungsi

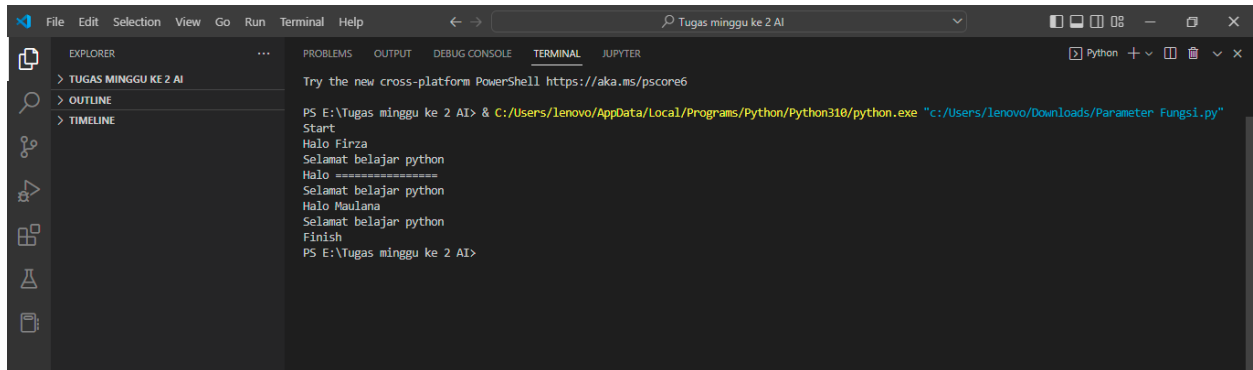
Contoh dalam VS CODE



The screenshot shows the Visual Studio Code editor interface. The Explorer panel on the left shows a project named 'TUGAS MINGGU KE 2 AI'. The main editor area displays a Python file named 'Parameter Fungsi.py'. The code defines a function 'halo_user' that takes a name and a list of messages as arguments. It prints the name and the first message, then iterates through the rest of the messages. The code is as follows:

```
1 def halo_user(name, i):
2     print(f"Halo {name}")
3     print("Selamat belajar python")
4
5     print("Start")
6     halo_user("Firza")
7     halo_user("=====")
8     halo_user("Maulana")
9     print("Finish")
```

Run VS CODE

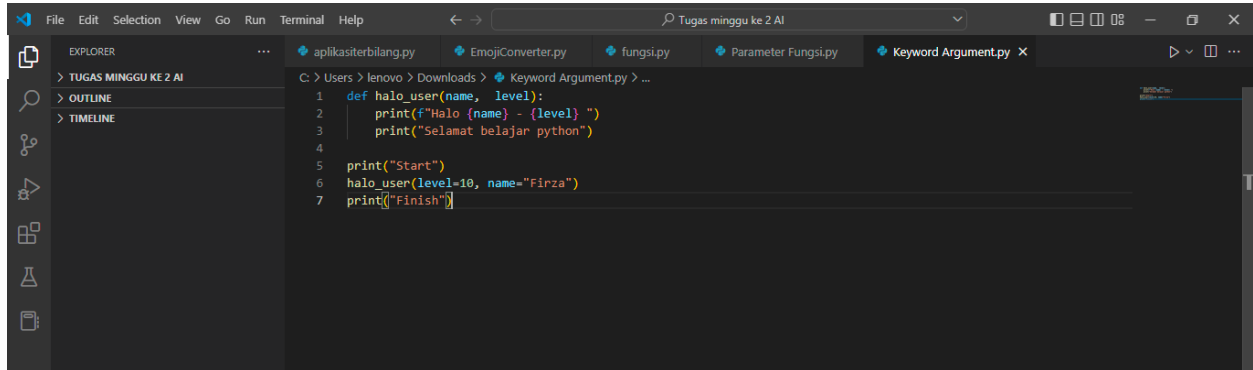


The screenshot shows the Visual Studio Code terminal window. The terminal is running a PowerShell command to execute the Python script 'Parameter Fungsi.py'. The output of the script is displayed in the terminal:

```
PS E:\Tugas minggu ke 2 AI> & "C:/Users/lenovo/AppData/Local/Programs/Python/Python310/python.exe" "c:/Users/lenovo/Downloads/Parameter Fungsi.py"
Start
Halo Firza
Selamat belajar python
Halo =====
Selamat belajar python
Halo Maulana
Selamat belajar python
Finish
PS E:\Tugas minggu ke 2 AI>
```

- Keyword Argument

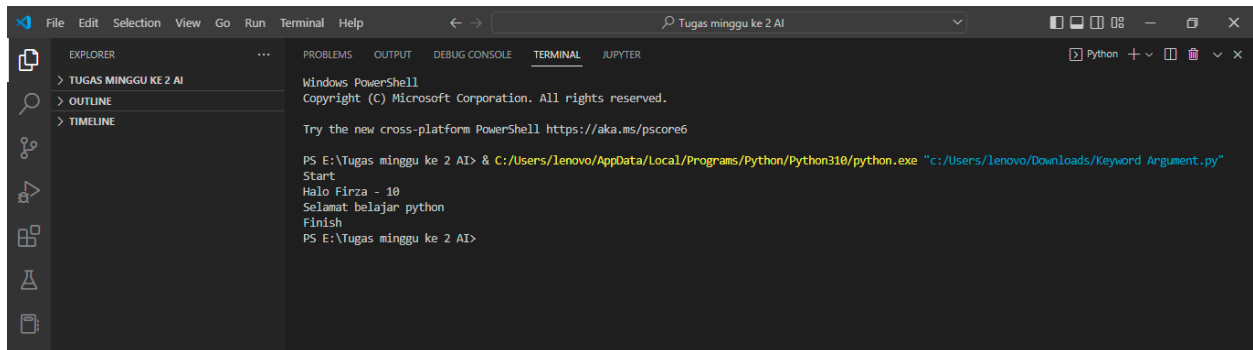
Contoh dalam VS CODE



The screenshot shows the Visual Studio Code editor interface. The Explorer sidebar on the left shows a project named 'TUGAS MINGGU KE 2 AI' with subfolders 'OUTLINE' and 'TIMELINE'. The main editor area displays 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(level=10, name="Firza")
7 print("Finish")
```

Run VS CODE



The screenshot shows the Visual Studio Code terminal window. The terminal is running a Windows PowerShell session. The output of the command to run the Python script is as follows:

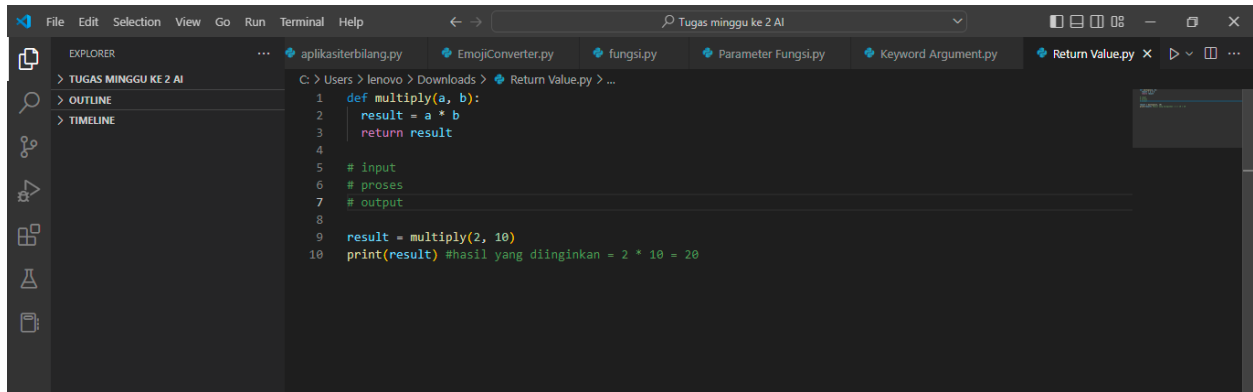
```
Windows PowerShell
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PS E:\Tugas minggu ke 2 AI> & C:/Users/lenovo/AppData/Local/Programs/Python/Python310/python.exe "c:/Users/lenovo/Downloads/Keyword Argument.py"
Start
Halo Firza - 10
Selamat belajar python
Finish
PS E:\Tugas minggu ke 2 AI>
```

- Return Value

Contoh dalam VS CODE

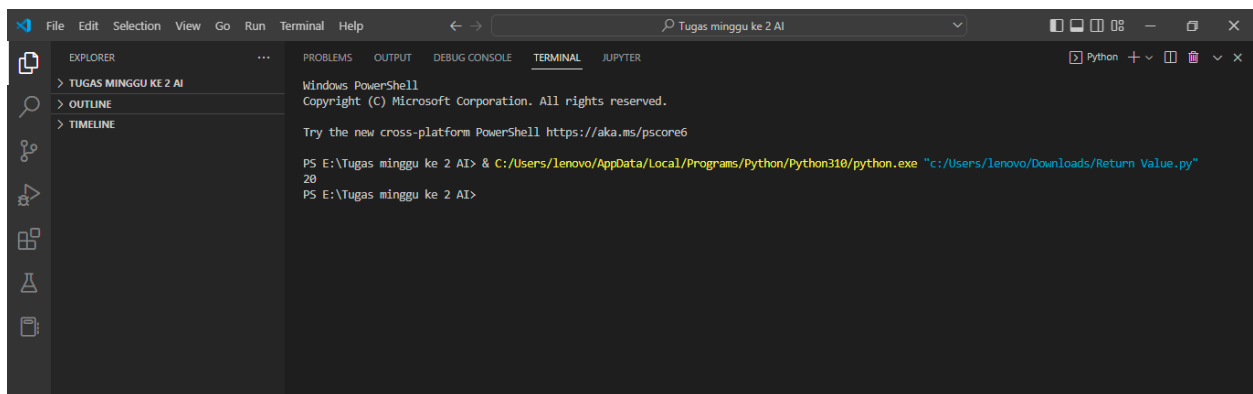


```
File Edit Selection View Go Run Terminal Help
Tugas minggu ke 2 AI

EXPLORER
> TUGAS MINGGU KE 2 AI
> OUTLINE
> TIMELINE

C:\Users\lenovo\Downloads> Return Value.py > ...
1 def multiply(a, b):
2     result = a * b
3     return result
4
5 # input
6 # proses
7 # output
8
9 result = multiply(2, 10)
10 print(result) #hasil yang diinginkan = 2 * 10 = 20
```

Run VS CODE



```
File Edit Selection View Go Run Terminal Help
Tugas minggu ke 2 AI

EXPLORER
> TUGAS MINGGU KE 2 AI
> OUTLINE
> TIMELINE

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER
Python + - - - - -

Windows PowerShell
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PS E:\Tugas minggu ke 2 AI> & C:\Users\lenovo\AppData\Local\Programs\Python\Python310\python.exe "C:\Users\lenovo\Downloads\Return Value.py"
20
PS E:\Tugas minggu ke 2 AI>
```