

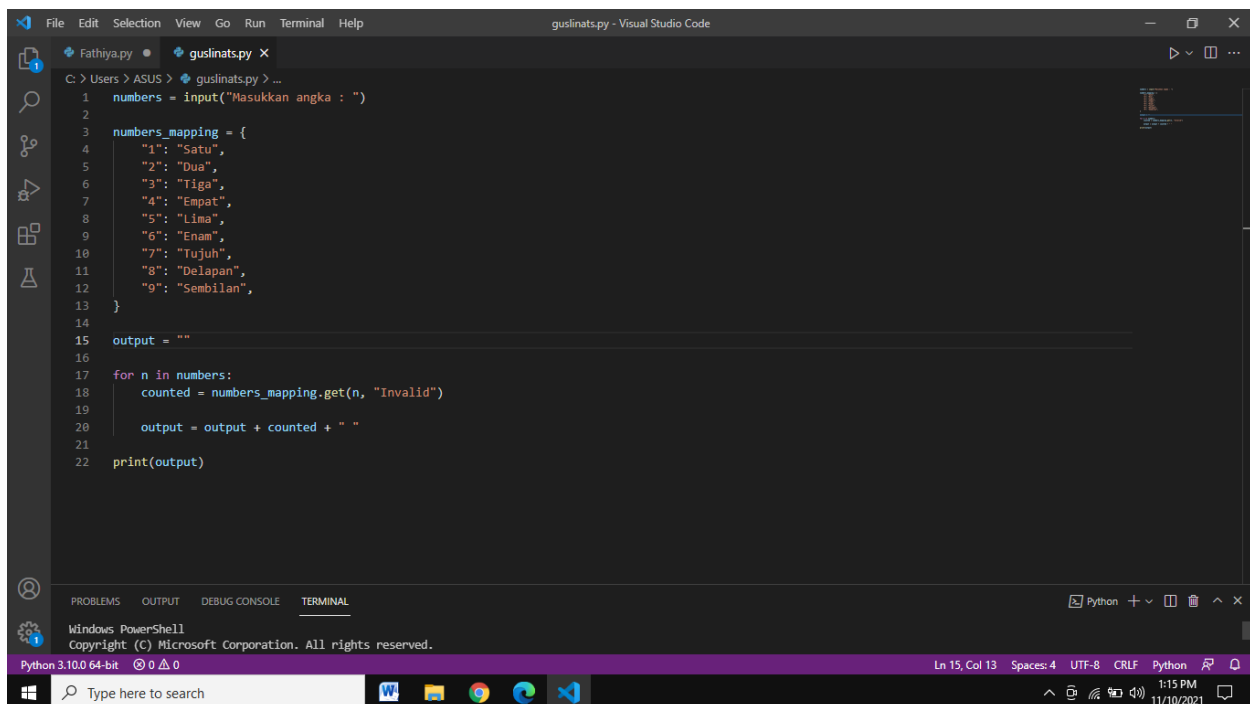
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NIM : 20.01.013.049

KELAS : ARTIFICIAL INTELLIGENCE – 3B

TUGAS PYTHON-5

➤ Aplikasi Terbilang



```
File Edit Selection View Go Run Terminal Help
guslinats.py - Visual Studio Code

C:\Users> ASUS > guslinats.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     counted = numbers_mapping.get(n, "Invalid")
19     output = output + counted + " "
20
21 print(output)
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

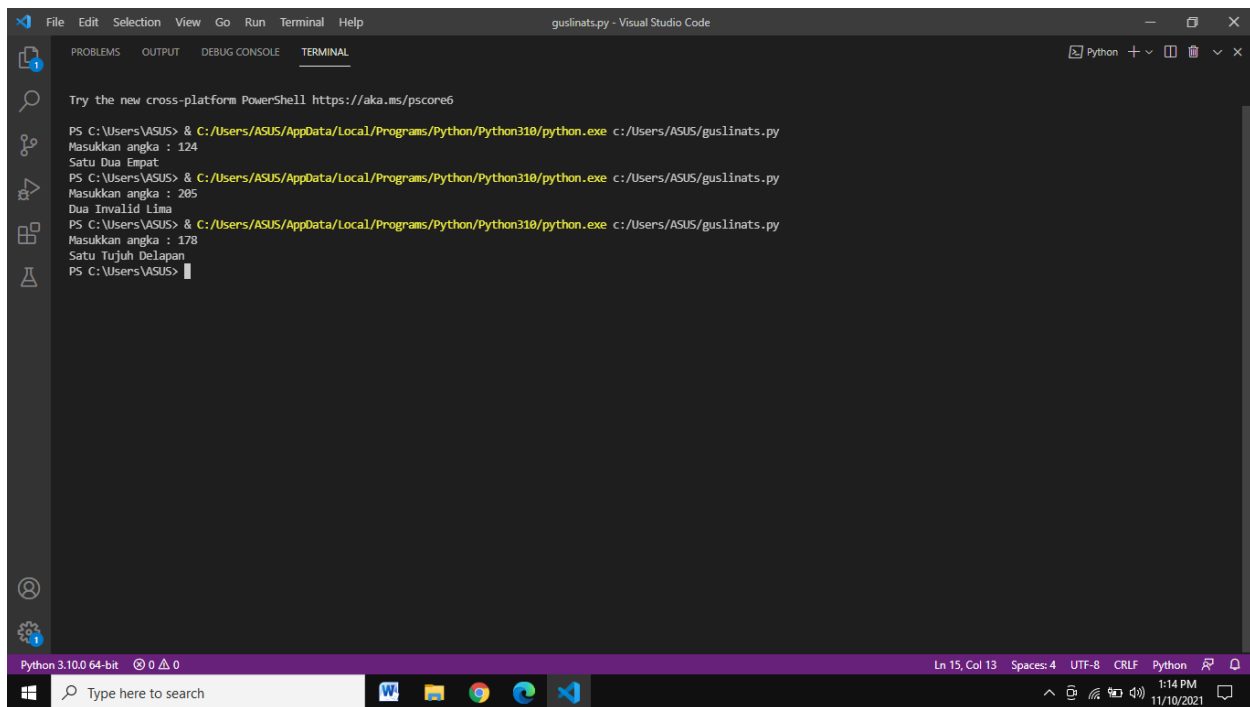
Windows PowerShell
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Python 3.10.0 64-bit

Ln 15, Col 13 Spaces: 4 UTF-8 CRLF Python

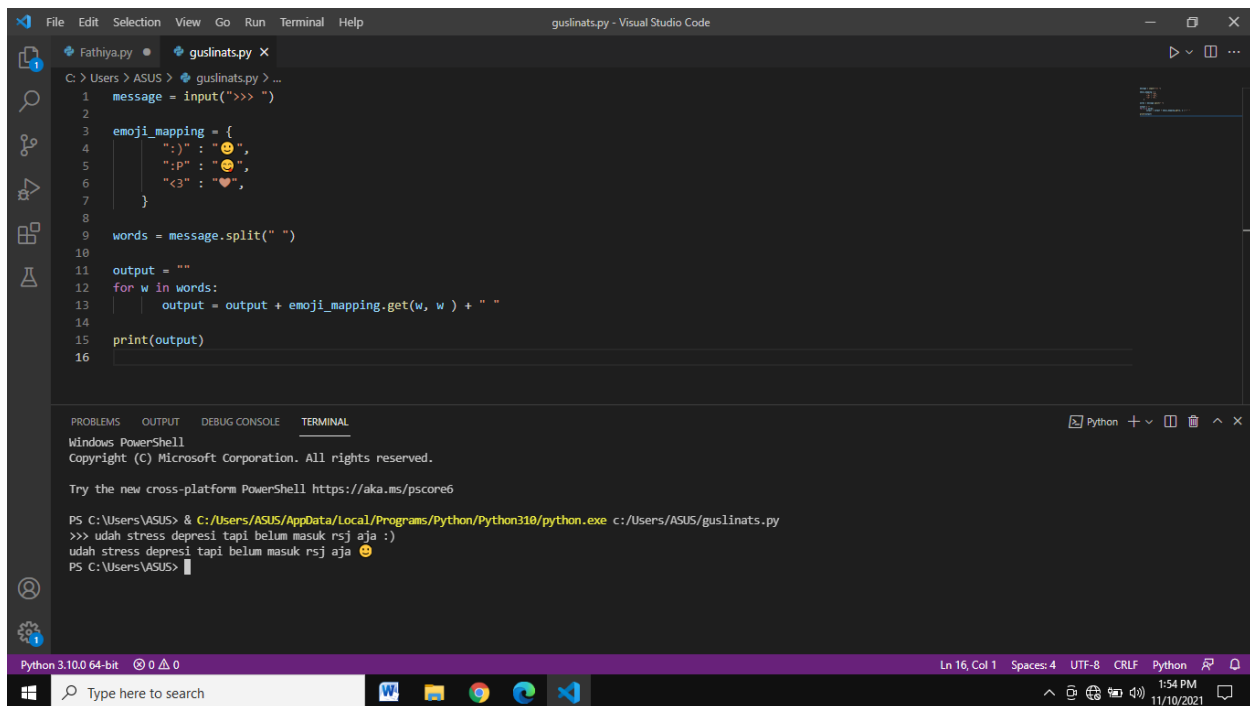
Type here to search

11/10/2021



```
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PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
Try the new cross-platform PowerShell https://aka.ms/powershell
PS C:\Users\ASUS> & C:/Users/ASUS/AppData/Local/Programs/Python/Python310/python.exe c:/Users/ASUS/guslinats.py
Masukkan angka : 124
Satu Dua Empat
PS C:\Users\ASUS> & C:/Users/ASUS/AppData/Local/Programs/Python/Python310/python.exe c:/Users/ASUS/guslinats.py
Masukkan angka : 285
Dua Invalid Lima
PS C:\Users\ASUS> & C:/Users/ASUS/AppData/Local/Programs/Python/Python310/python.exe c:/Users/ASUS/guslinats.py
Masukkan angka : 178
Satu Tujuh Delapan
PS C:\Users\ASUS>
```

➤ Emoji Converter



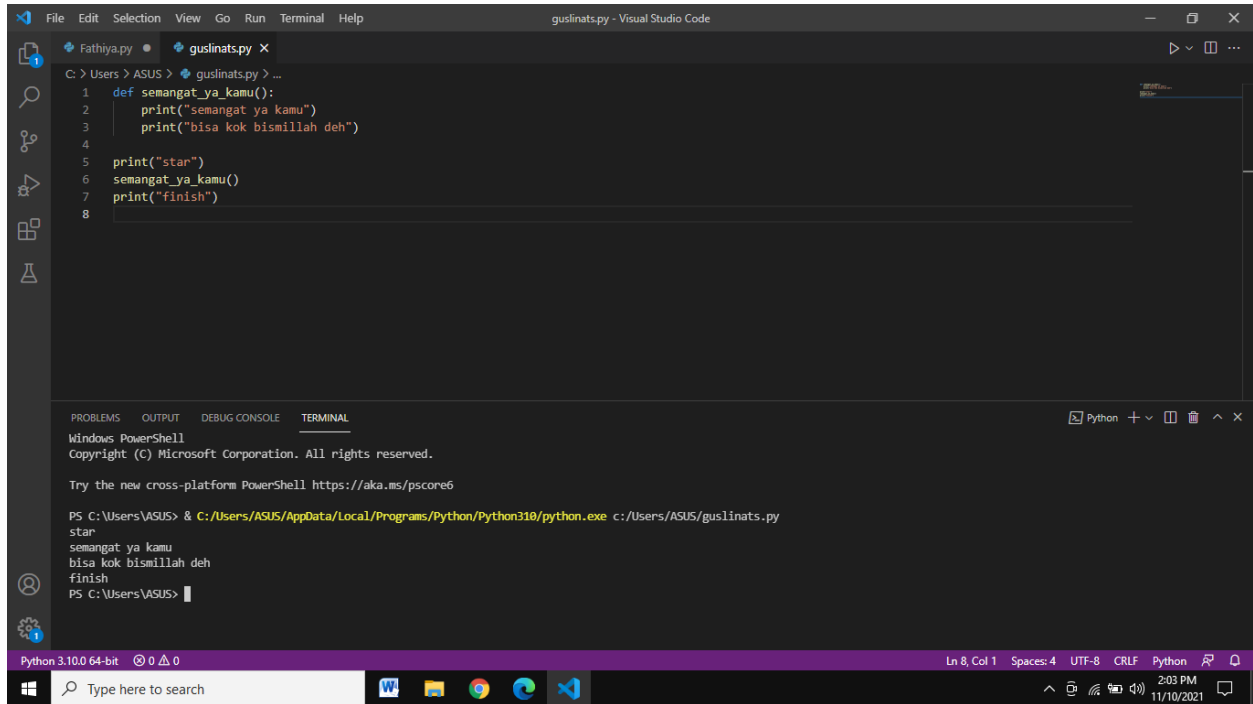
```
File Edit Selection View Go Run Terminal Help guslinats.py - Visual Studio Code
Fathiya.py guslinats.py X
C:\Users\ASUS> guslinats.py
1 message = input(">>> ")
2
3 emoji_mapping = {
4     ":)": "😊",
5     ":p": "😜",
6     "<3": "❤️",
7 }
8
9 words = message.split(" ")
10
11 output = ""
12 for w in words:
13     output = output + emoji_mapping.get(w, w) + " "
14
15 print(output)
16

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
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PS C:\Users\ASUS> & C:/Users/ASUS/AppData/Local/Programs/Python/Python310/python.exe c:/Users/ASUS/guslinats.py
>>> udah stress depresi tapi belum masuk rsj aja :)
udah stress depresi tapi belum masuk rsj aja 😊
PS C:\Users\ASUS>
```

➤ Fungsi



The screenshot shows the Visual Studio Code interface with a file named `guslinats.py` open. The code defines a function `semangat_ya_kamu()` that prints "semangat ya kamu" and "bisa kok bismillah deh", followed by a `print("star")` statement and a call to the function. The terminal window shows the command `python c:/Users/ASUS/guslinats.py` being executed, resulting in the output: `star`, `semangat ya kamu`, `bisa kok bismillah deh`, and `finish`.

```
File Edit Selection View Go Run Terminal Help
guslinats.py - Visual Studio Code

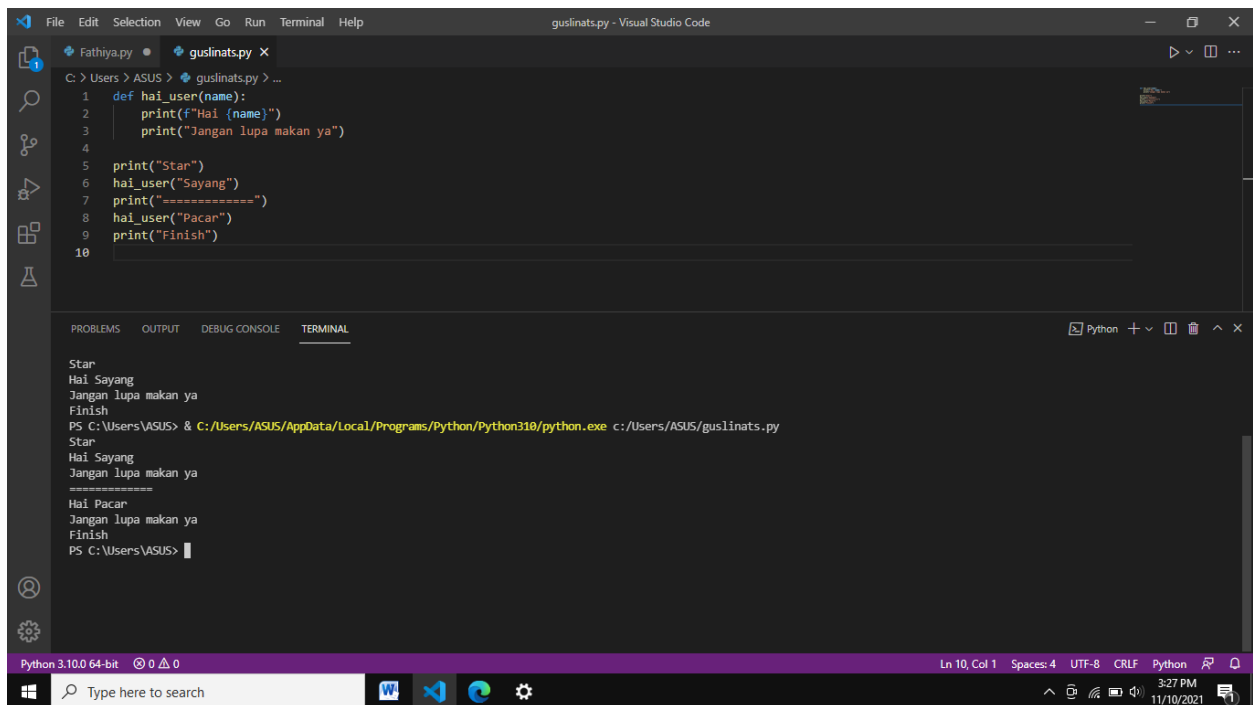
C:\Users\ASUS> python c:/Users/ASUS/guslinats.py
1 def semangat_ya_kamu():
2     print("semangat ya kamu")
3     print("bisa kok bismillah deh")
4
5 print("star")
6 semangat_ya_kamu()
7 print("finish")
8

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\ASUS> & c:/Users/ASUS/AppData/Local/Programs/Python/Python310/python.exe c:/Users/ASUS/guslinats.py
star
semangat ya kamu
bisa kok bismillah deh
finish
PS C:\Users\ASUS>
```

➤ Parameter Fungsi



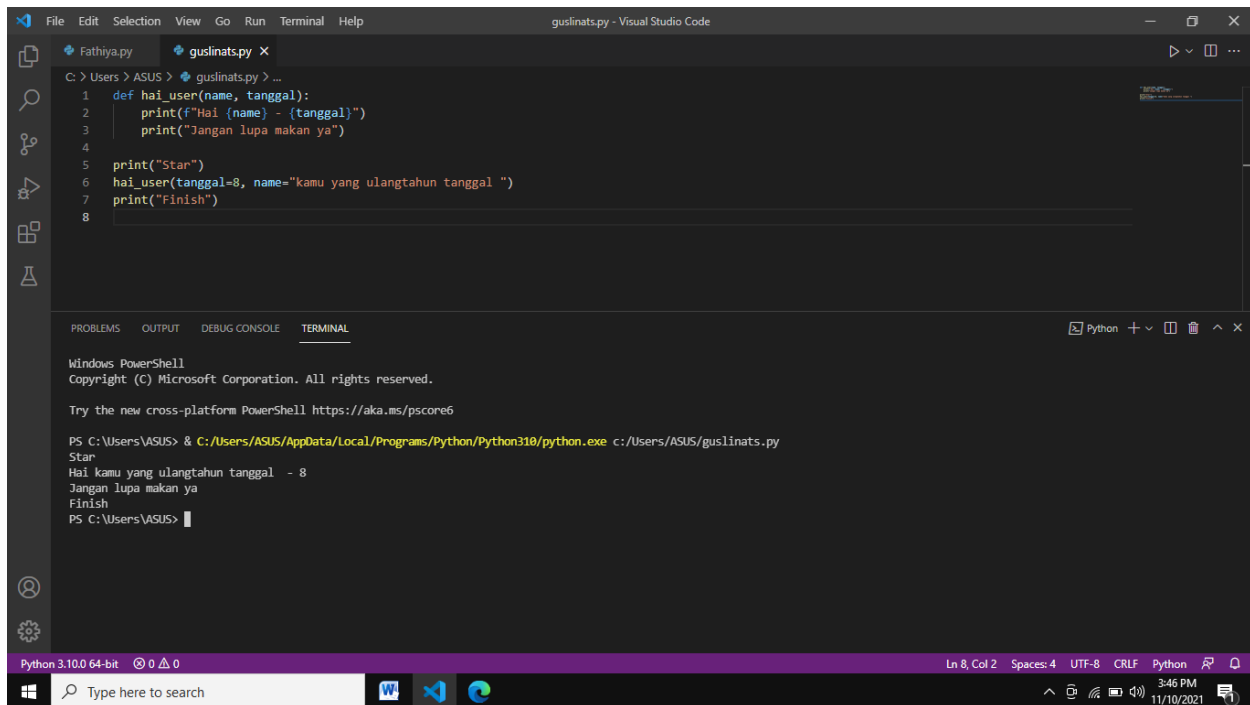
The screenshot shows the Visual Studio Code interface with a file named `guslinats.py` open. The code defines a function `hai_user(name)` that prints "Hai {name}" and "Jangan lupa makan ya", followed by a `print("Star")` statement and calls to the function with arguments "Sayang" and "Pacar". The terminal window shows the command `python c:/Users/ASUS/guslinats.py` being executed, resulting in the output: `Star`, `Hai Sayang`, `Jangan lupa makan ya`, `Finish`, `Star`, `Hai Sayang`, `Jangan lupa makan ya`, `Finish`, `Star`, `Hai Pacar`, `Jangan lupa makan ya`, `Finish`, and `Finish`.

```
File Edit Selection View Go Run Terminal Help
guslinats.py - Visual Studio Code

C:\Users\ASUS> python c:/Users/ASUS/guslinats.py
1 def hai_user(name):
2     print(f"Hai {name}")
3     print("Jangan lupa makan ya")
4
5 print("Star")
6 hai_user("Sayang")
7 print("=====")
8 hai_user("Pacar")
9 print("Finish")
10

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
Star
Hai Sayang
Jangan lupa makan ya
Finish
PS C:\Users\ASUS> & c:/Users/ASUS/AppData/Local/Programs/Python/Python310/python.exe c:/Users/ASUS/guslinats.py
Star
Hai Sayang
Jangan lupa makan ya
=====
Hai Pacar
Jangan lupa makan ya
Finish
PS C:\Users\ASUS>
```

➤ Keyword Argument



The screenshot shows the Visual Studio Code editor with a file named `guslinats.py`. The code defines a function `hai_user` that takes `name` and `tanggal` as arguments. It prints a greeting and a reminder. The function is then called with keyword arguments: `hai_user(tanggal=8, name="kamu yang ulangtahun tanggal ")`. The terminal window shows the execution output, which matches the code's output.

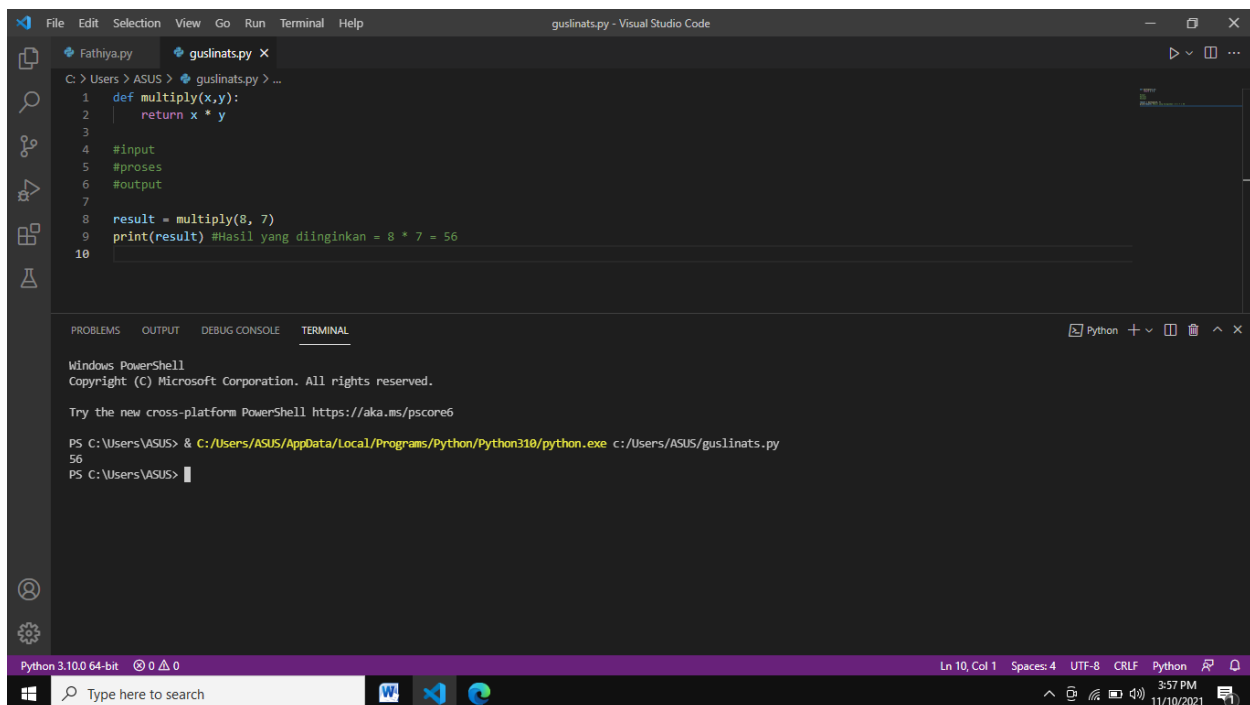
```
1 def hai_user(name, tanggal):
2     print(f"Hai {name} - {tanggal}")
3     print("Jangan lupa makan ya")
4
5 print("Star")
6 hai_user(tanggal=8, name="kamu yang ulangtahun tanggal ")
7 print("Finish")
8
```

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PS C:\Users\ASUS> & C:/Users/ASUS/AppData/Local/Programs/Python/Python310/python.exe c:/Users/ASUS/guslinats.py
Star
Hai kamu yang ulangtahun tanggal - 8
Jangan lupa makan ya
Finish
PS C:\Users\ASUS>

➤ Return Value



The screenshot shows the Visual Studio Code editor with a file named `guslinats.py`. The code defines a function `multiply` that takes `x` and `y` as arguments and returns their product. The function is then called with `multiply(8, 7)`, and the result is printed. The terminal window shows the execution output, which is the result of the multiplication.

```
1 def multiply(x,y):
2     return x * y
3
4 #input
5 #proses
6 #output
7
8 result = multiply(8, 7)
9 print(result) #Hasil yang diinginkan = 8 * 7 = 56
10
```

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PS C:\Users\ASUS> & C:/Users/ASUS/AppData/Local/Programs/Python/Python310/python.exe c:/Users/ASUS/guslinats.py
56
PS C:\Users\ASUS>