

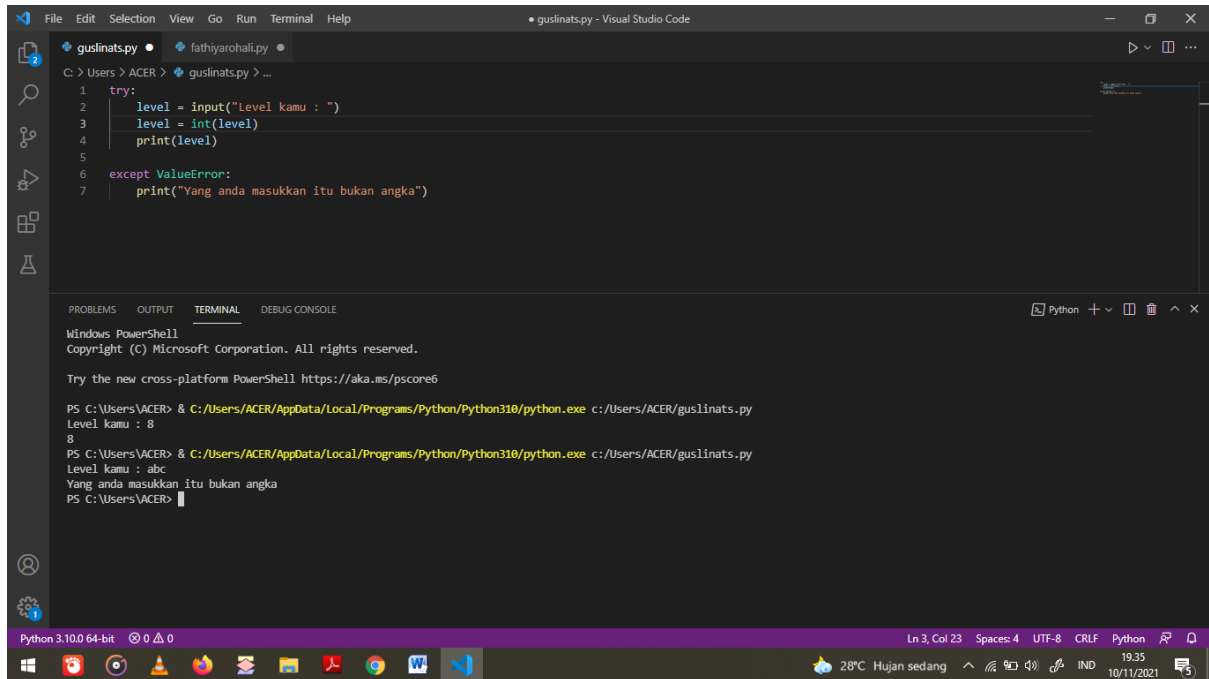
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KELAS : ARTIFICIAL INTELLIGENCE-3B

## TUGAS PYTHON – 6

### ➤ Exception



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

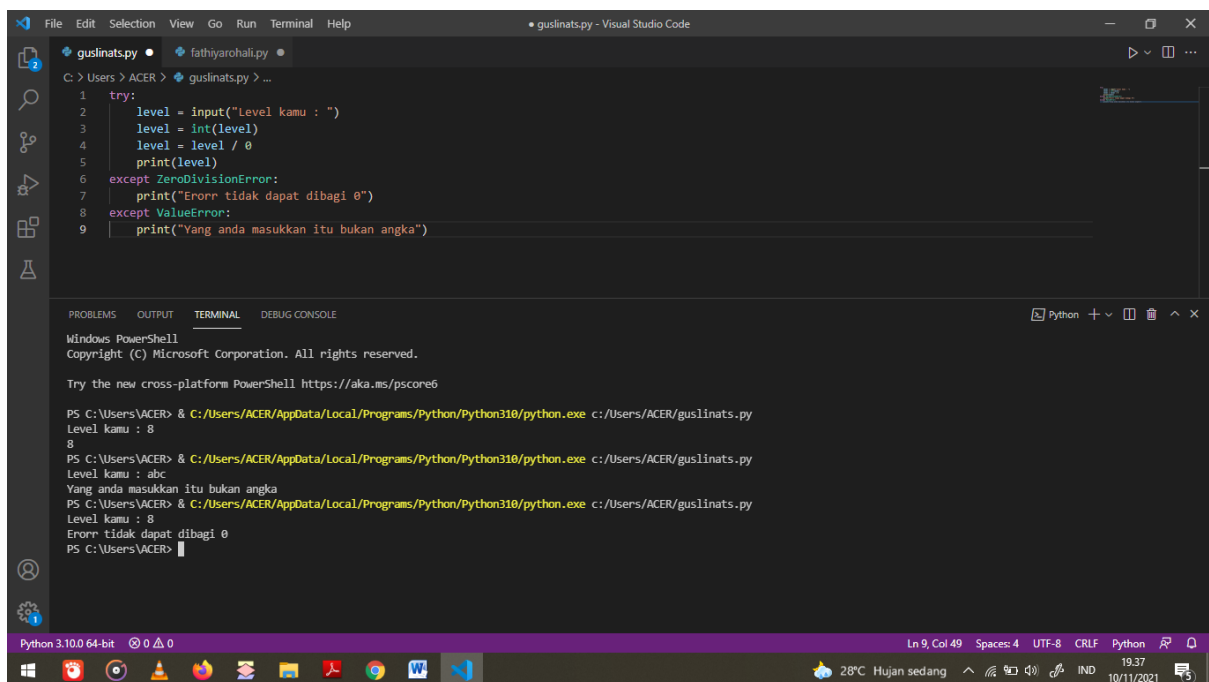
C:\Users\ACER> guslinats.py
1 try:
2     level = input("Level kamu : ")
3     level = int(level)
4     print(level)
5
6 except ValueError:
7     print("Yang anda masukkan itu bukan angka")

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

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

PS C:\Users\ACER> & C:/Users/ACER/AppData/Local/Programs/Python/Python310/python.exe c:/Users/ACER/guslinats.py
Level kamu : 8
8
PS C:\Users\ACER> & C:/Users/ACER/AppData/Local/Programs/Python/Python310/python.exe c:/Users/ACER/guslinats.py
Level kamu : abc
Yang anda masukkan itu bukan angka
PS C:\Users\ACER>
```



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

C:\Users\ACER> guslinats.py
1 try:
2     level = input("Level kamu : ")
3     level = int(level)
4     level = level / 0
5     print(level)
6 except ZeroDivisionError:
7     print("Errorr tidak dapat dibagi 0")
8 except ValueError:
9     print("Yang anda masukkan itu bukan angka")

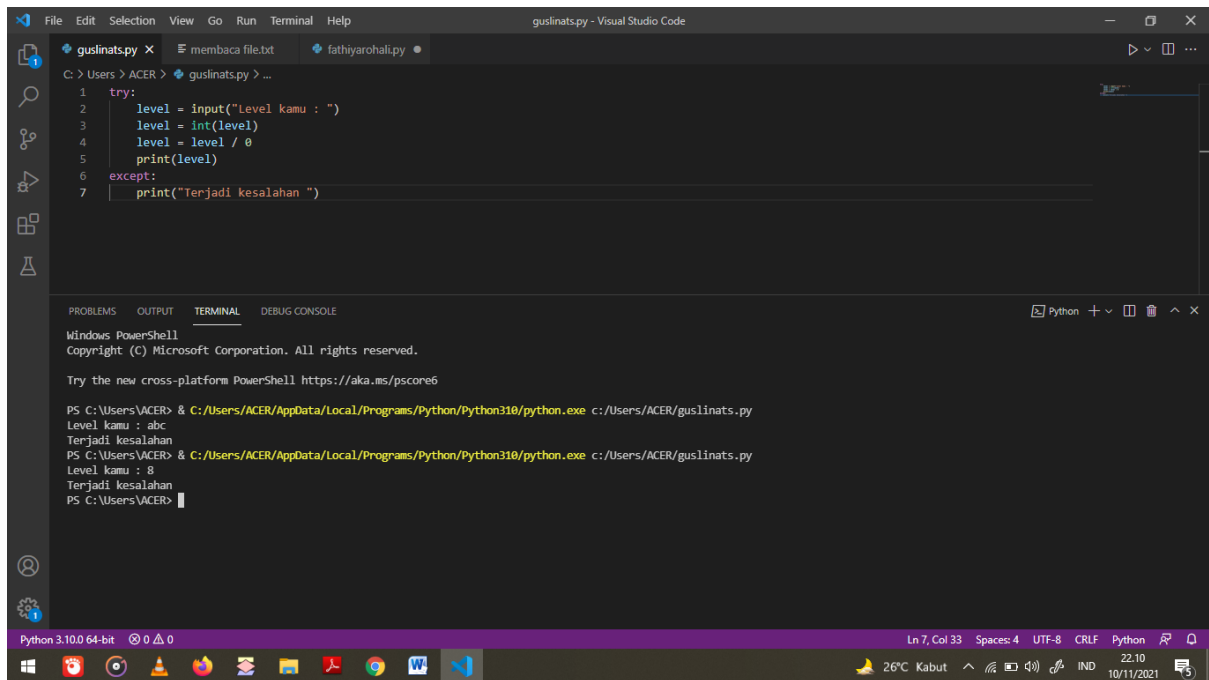
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
Python Python + - - - - -

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

PS C:\Users\ACER> & C:/Users/ACER/AppData/Local/Programs/Python/Python310/python.exe c:/Users/ACER/guslinats.py
Level kamu : 8
8
PS C:\Users\ACER> & C:/Users/ACER/AppData/Local/Programs/Python/Python310/python.exe c:/Users/ACER/guslinats.py
Level kamu : abc
Yang anda masukkan itu bukan angka
PS C:\Users\ACER> & C:/Users/ACER/AppData/Local/Programs/Python/Python310/python.exe c:/Users/ACER/guslinats.py
Level kamu : 8
Errorr tidak dapat dibagi 0
PS C:\Users\ACER>
```

## ➤ General Exception



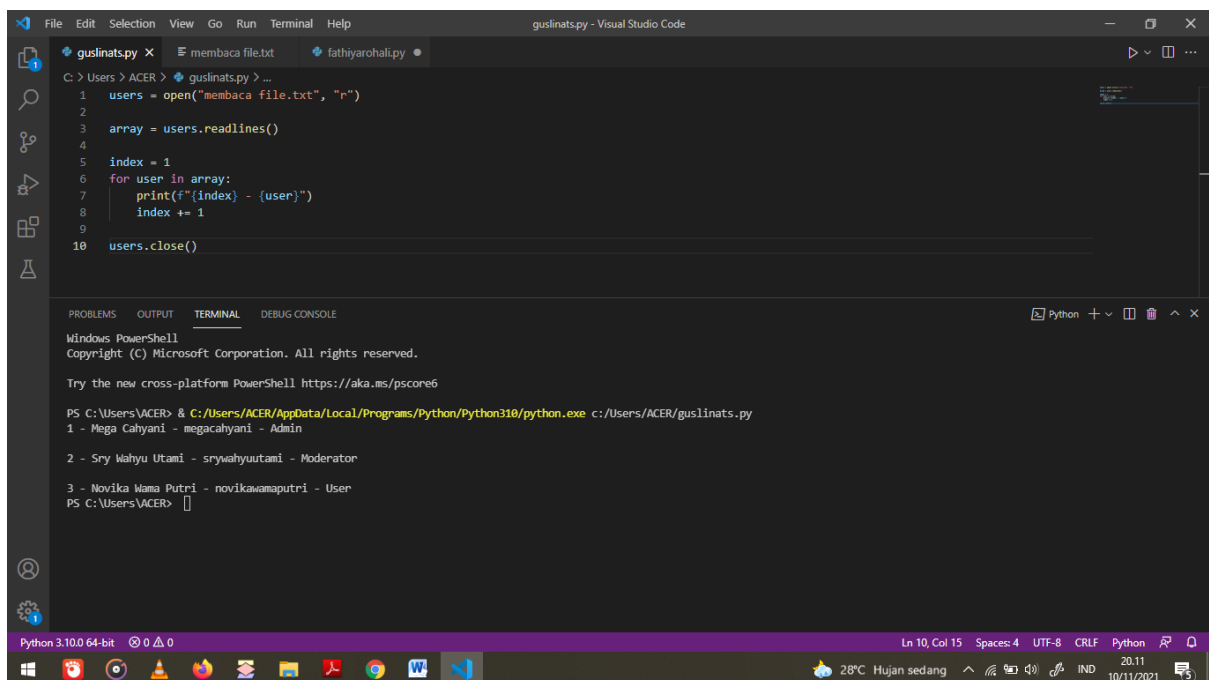
The screenshot shows the Visual Studio Code editor with a file named `guslinats.py` open. The code in the editor is as follows:

```
1 try:
2     level = input("Level kamu : ")
3     level = int(level)
4     level = level / 0
5     print(level)
6 except:
7     print("Terjadi kesalahan ")
```

The terminal window at the bottom shows the execution of the script. It prompts for input, and when the user enters 'abc', it prints 'Terjadi kesalahan' because the division by zero raises an exception.

```
PS C:\Users\ACER> & C:/Users/ACER/AppData/Local/Programs/Python/Python310/python.exe c:/Users/ACER/guslinats.py
Level kamu : abc
Terjadi kesalahan
PS C:\Users\ACER> & C:/Users/ACER/AppData/Local/Programs/Python/Python310/python.exe c:/Users/ACER/guslinats.py
Level kamu : 8
Terjadi kesalahan
PS C:\Users\ACER>
```

## ➤ Membaca File



The screenshot shows the Visual Studio Code editor with a file named `guslinats.py` open. The code in the editor is as follows:

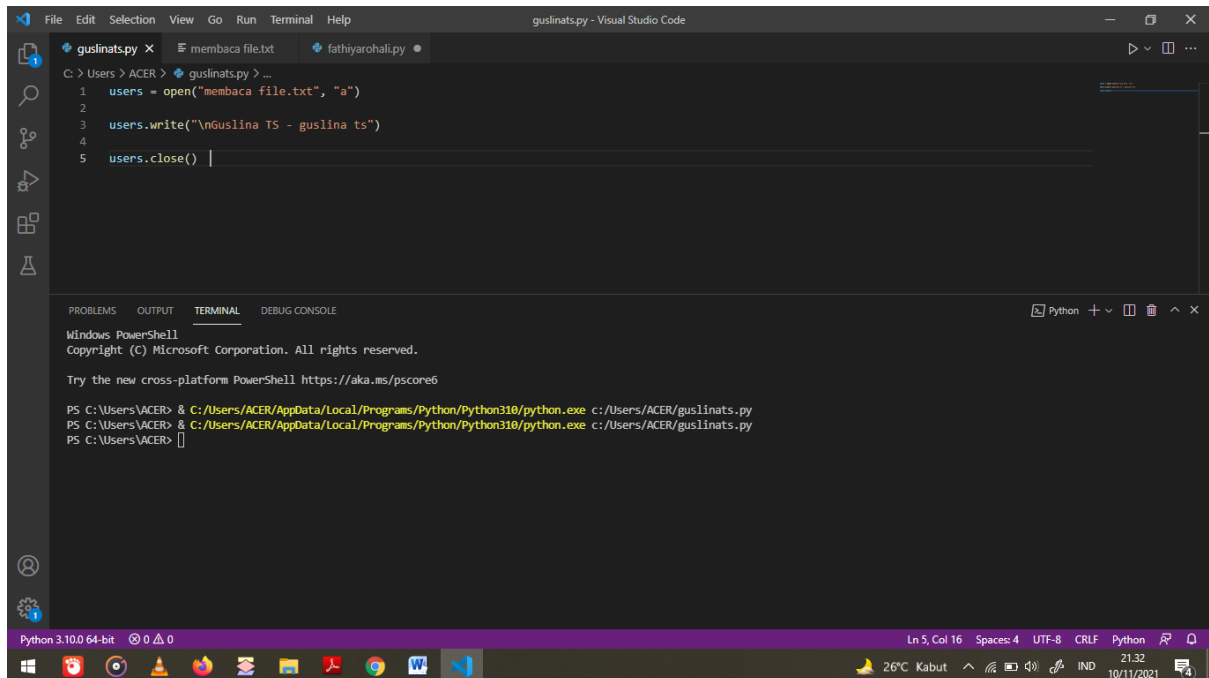
```
1 users = open("membaca file.txt", "r")
2
3 array = users.readlines()
4
5 index = 1
6 for user in array:
7     print(f"{index} - {user}")
8     index += 1
9
10 users.close()
```

The terminal window at the bottom shows the execution of the script. It reads the contents of `membaca file.txt` and prints each line with its index.

```
PS C:\Users\ACER> & C:/Users/ACER/AppData/Local/Programs/Python/Python310/python.exe c:/Users/ACER/guslinats.py
1 - Mega Cahyani - megacahyani - Admin
2 - Sry Wahyu Utami - srywahyuutami - Moderator
3 - Novika Wama Putri - novikawamaputri - User
PS C:\Users\ACER>
```

## ➤ Menulis File

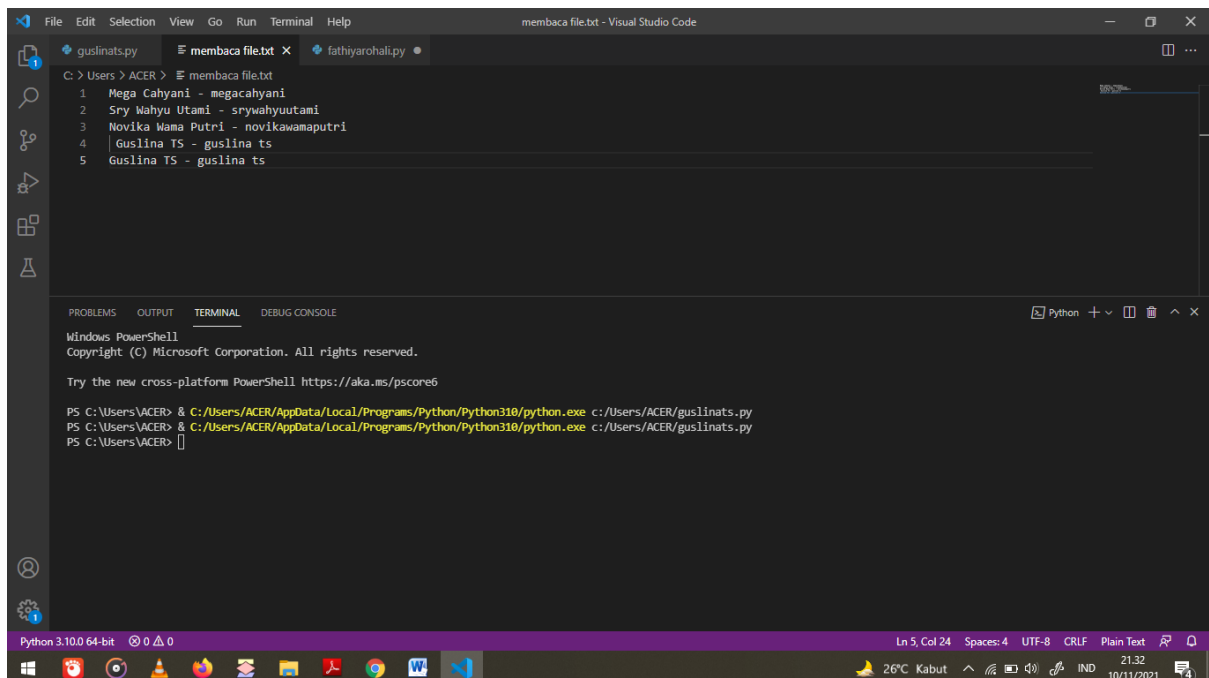
- **Append (a)** menambahkan data baru ke sebuah file yang sudah ada isinya (menambahkan ke paling belakang).



The screenshot shows the Visual Studio Code interface with the file `guslinats.py` open. The code in the editor is as follows:

```
1 users = open("membaca file.txt", "a")
2
3 users.write("\nGuslina TS - guslina ts")
4
5 users.close()
```

The terminal window at the bottom shows the execution of the Python script using the command `python.exe c:/Users/ACER/guslinats.py`. The terminal output is empty, indicating that the script executed successfully without any errors or output.

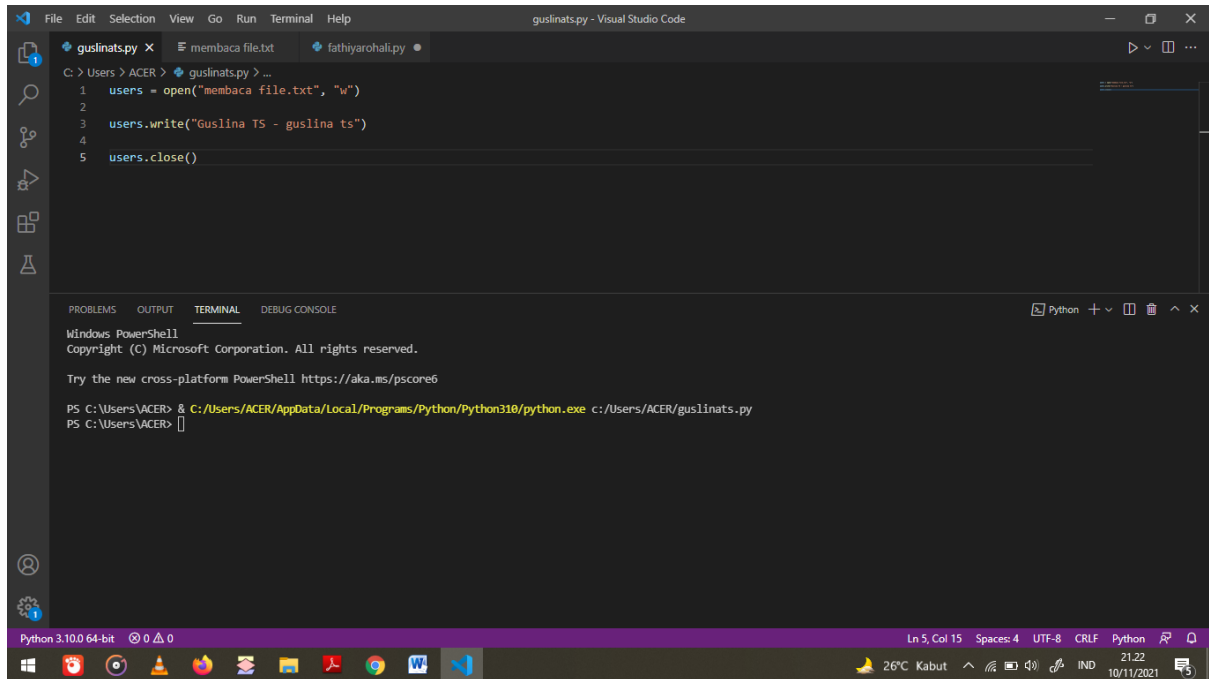


The screenshot shows the Visual Studio Code interface with the file `membaca file.txt` open. The file contains the following text:

```
1 Mega Cahyani - megacahyani
2 Sry Wahyu Utami - srywahyutami
3 Novika Wama Putri - novikawamaputri
4 Guslina TS - guslina ts
5 Guslina TS - guslina ts
```

The terminal window at the bottom shows the execution of the Python script using the command `python.exe c:/Users/ACER/guslinats.py`. The terminal output is empty, indicating that the script executed successfully without any errors or output.

- **Write (w) :** akan menghapus seluruh data yang ada pada file yang ada dan akan digantikan dengan data yang ditulis.



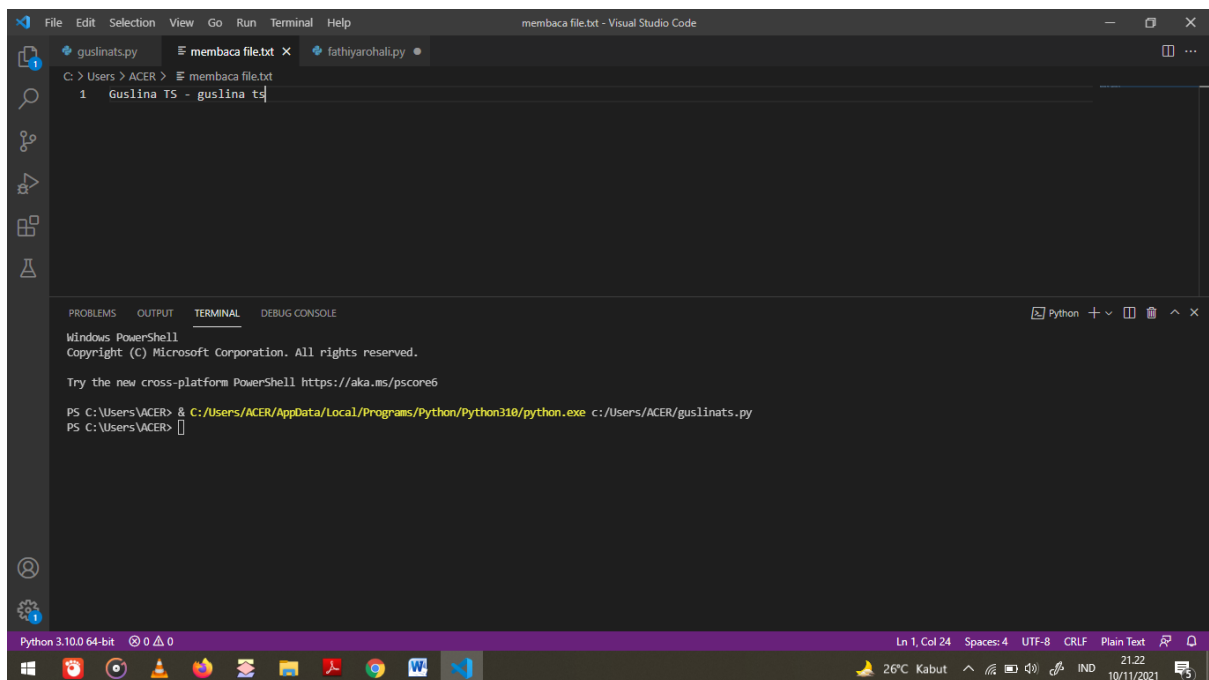
```
File Edit Selection View Go Run Terminal Help
guslinats.py - Visual Studio Code

guslinats.py x membaca file.txt fathiyarohalipy
C:\Users\ACER> guslinats.py > ...
1 users = open("membaca file.txt", "w")
2
3 users.write("Guslina TS - guslina ts")
4
5 users.close()

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
Python 3.10.0 64-bit
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

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



```
File Edit Selection View Go Run Terminal Help
membaca file.txt - Visual Studio Code

guslinats.py membaca file.txt x fathiyarohalipy
C:\Users\ACER> membaca file.txt
1 Guslina TS - guslina ts

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
Python 3.10.0 64-bit
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

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