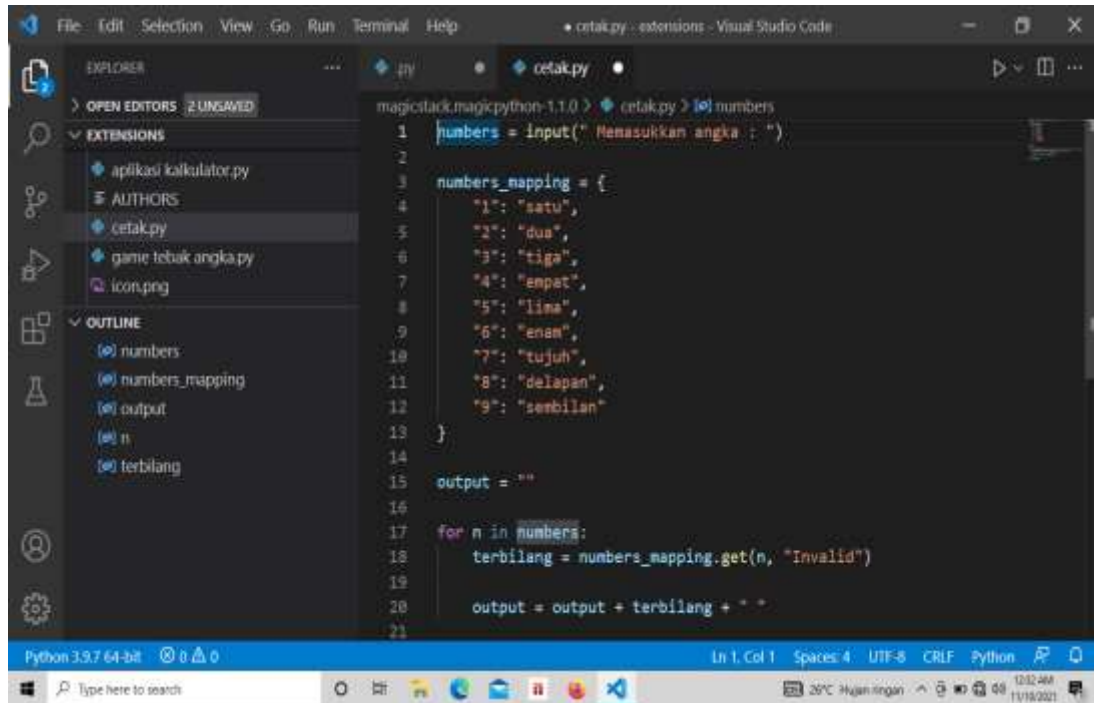


Nama : Novitasari

Nim : 20.01.013.012

Kelas : AI_C

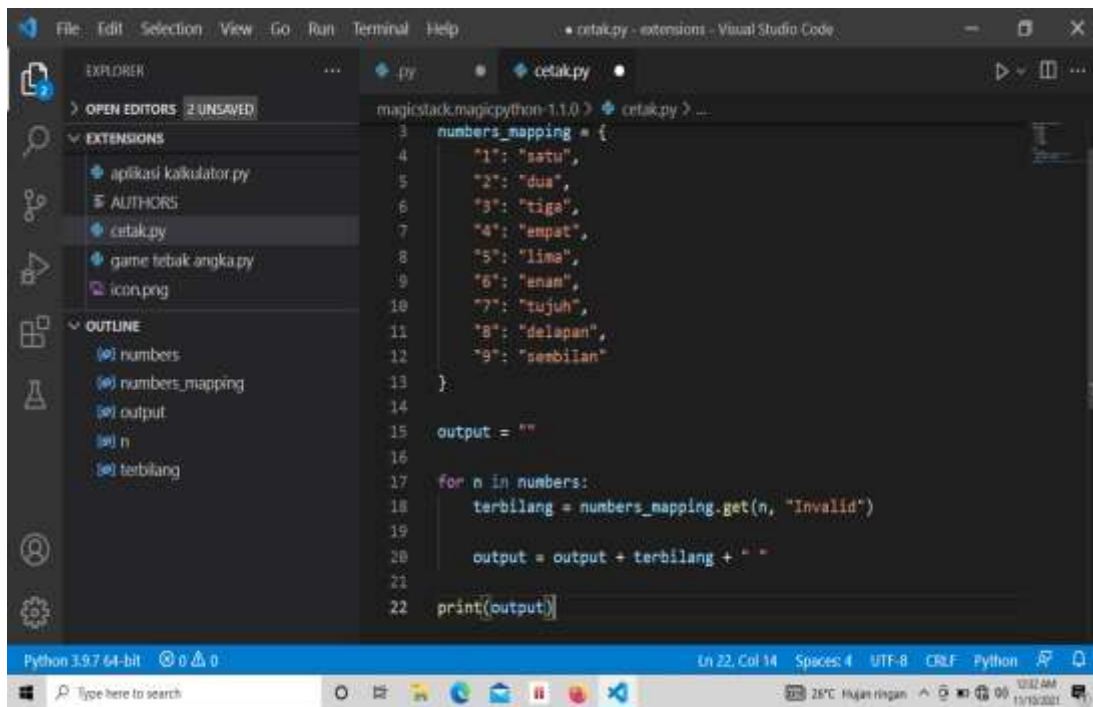
1. Aplikasi Terbilang



The screenshot shows the Visual Studio Code interface with a Python file named `cetak.py` open. The code is a simple application that takes a number as input and prints its corresponding word representation in Indonesian. The code is as follows:

```
1 numbers = input(" Memasukkan 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
```

The left sidebar shows the Explorer view with the file `cetak.py` selected. The Outline view on the right shows the structure of the code, including variables like `numbers`, `numbers_mapping`, `output`, `n`, and `terbilang`. The status bar at the bottom indicates the Python version (3.9.7 64-bit) and the current file encoding (UTF-8).

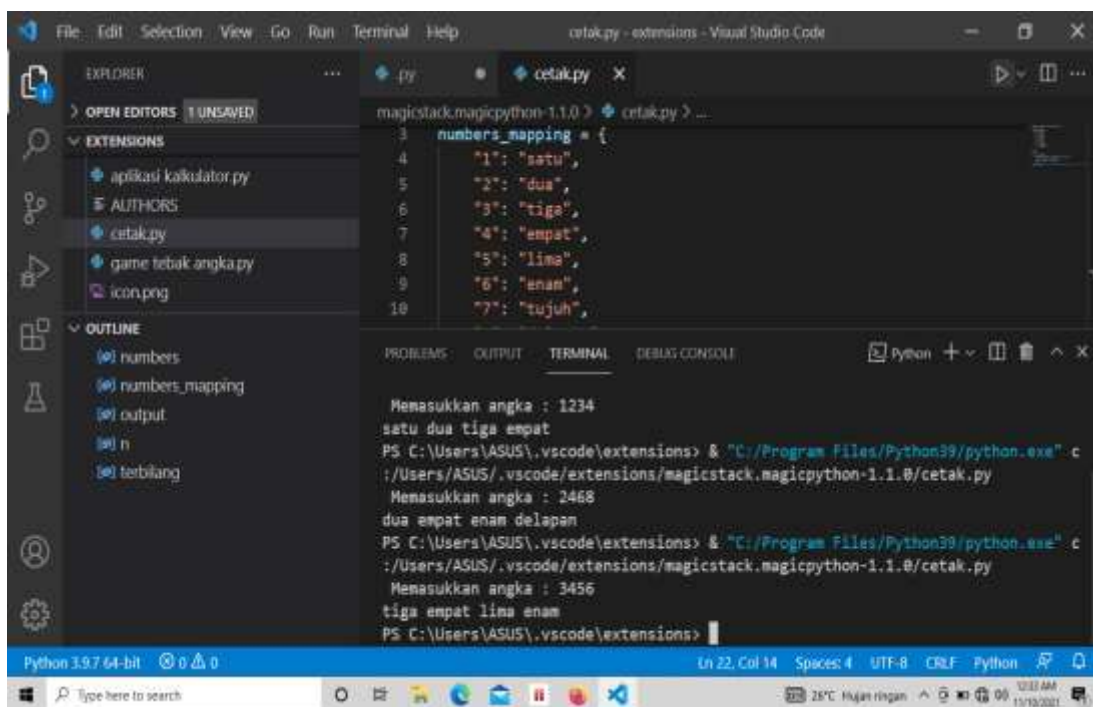


```
File Edit Selection View Go Run Terminal Help
• cetak.py - extensions - Visual Studio Code

EXPLORER
> OPEN EDITORS 2 UNSAVED
  EXTENSIONS
    aplikasi kalkulator.py
    AUTHORS
    cetak.py
    game tebak angka.py
    icon.png
  OUTLINE
    numbers
    numbers_mapping
    output
    n
    terbilang

Python 3.9.7 64-bit
Ln 22, Col 14 Spaces 4 UTF-8 CRLF Python
```

```
magicstack.magicpython-1.1.0 > cetak.py > ...
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)
```



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

EXPLORER
> OPEN EDITORS 1 UNSAVED
  EXTENSIONS
    aplikasi kalkulator.py
    AUTHORS
    cetak.py
    game tebak angka.py
    icon.png
  OUTLINE
    numbers
    numbers_mapping
    output
    n
    terbilang

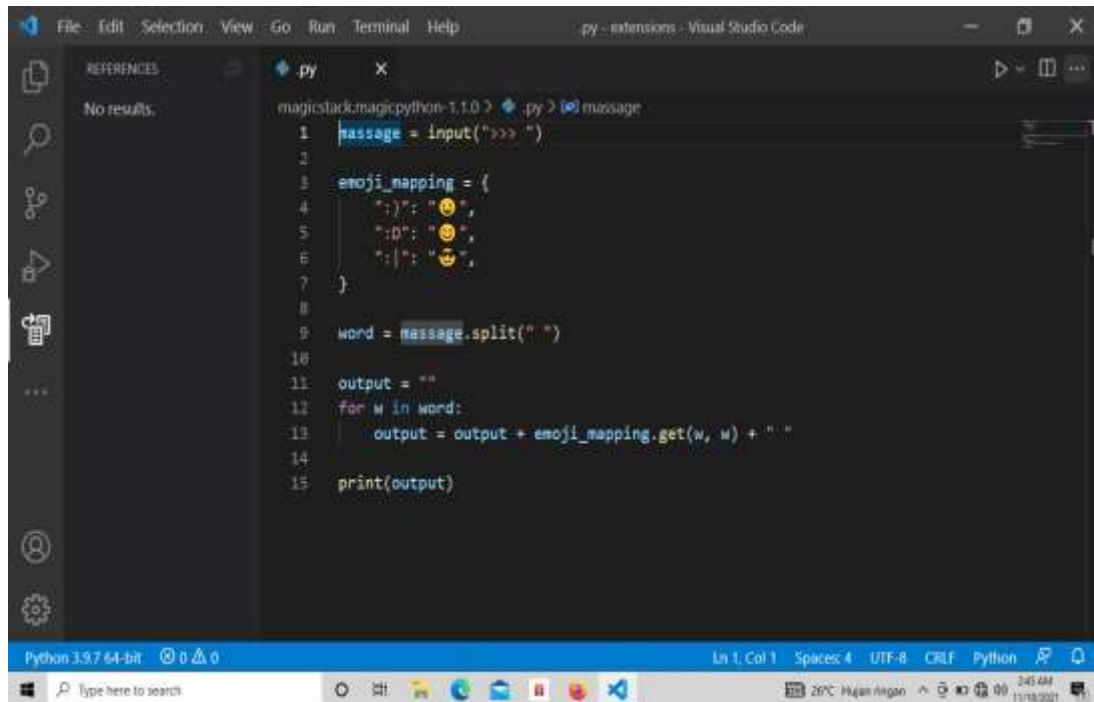
Python 3.9.7 64-bit
Ln 22, Col 14 Spaces 4 UTF-8 CRLF Python
```

```
magicstack.magicpython-1.1.0 > cetak.py > ...
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)
```

```
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
Python + - [ ] [X] ^ X

Memasukkan angka : 1234
satu dua tiga empat
PS C:\Users\ASUS\.vscode\extensions> & "C:/Program Files/Python39/python.exe" c
:/Users/ASUS/.vscode/extensions/magicstack.magicpython-1.1.0/cetak.py
Memasukkan angka : 2468
dua empat enam delapan
PS C:\Users\ASUS\.vscode\extensions> & "C:/Program Files/Python39/python.exe" c
:/Users/ASUS/.vscode/extensions/magicstack.magicpython-1.1.0/cetak.py
Memasukkan angka : 3456
tiga empat lima enam
PS C:\Users\ASUS\.vscode\extensions>
```

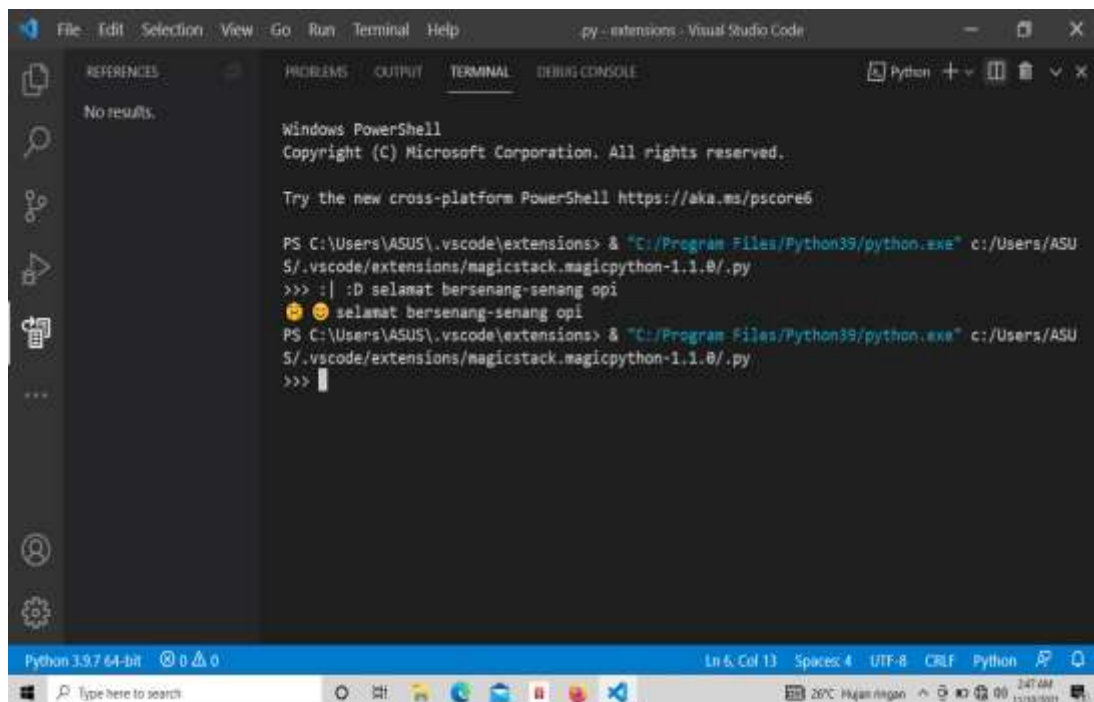
2. Emoji Converter



The screenshot shows the Visual Studio Code editor with a Python file named `magicstack.magicpython-1.1.0.py`. The script is designed to convert a string of text into a string of emojis based on a predefined mapping. The code is as follows:

```
1 message = input(">>> ")
2
3 emoji_mapping = {
4     ":)": "😊",
5     ":D": "😄",
6     ":|": "😐",
7 }
8
9 word = message.split(" ")
10
11 output = ""
12 for w in word:
13     output = output + emoji_mapping.get(w, w) + " "
14
15 print(output)
```

The status bar at the bottom indicates the Python 3.9.7 64-bit interpreter is active, and the file is encoded in UTF-8 with CRLF line endings.



The screenshot shows the Visual Studio Code terminal window with the following output:

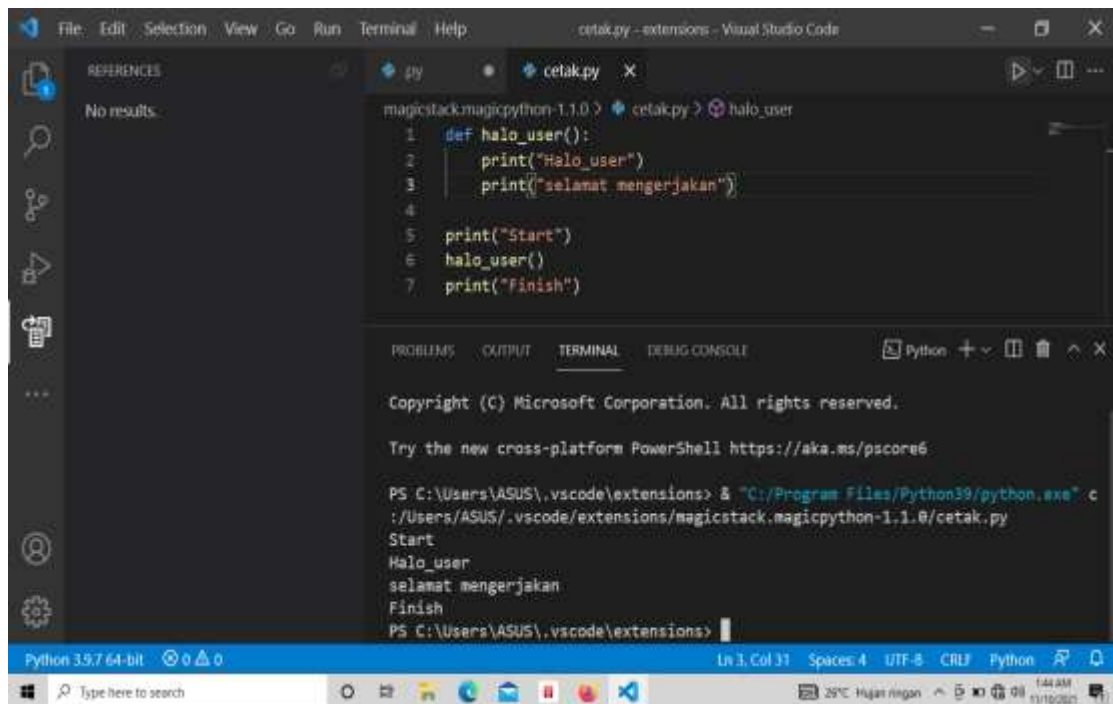
```
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/powershell

PS C:\Users\ASUS\.vscode\extensions> & "C:/Program Files/Python39/python.exe" c:/Users/ASU
S/.vscode/extensions/magicstack.magicpython-1.1.0/.py
>>> |:D selamat bersenang-senang opi
😊 😄 selamat bersenang-senang opi
PS C:\Users\ASUS\.vscode\extensions> & "C:/Program Files/Python39/python.exe" c:/Users/ASU
S/.vscode/extensions/magicstack.magicpython-1.1.0/.py
>>>
```

The terminal output demonstrates the script's functionality: it takes the input string `|:D selamat bersenang-senang opi` and converts it to `😊 😄 selamat bersenang-senang opi` based on the mapping defined in the script.

3. Fungsi



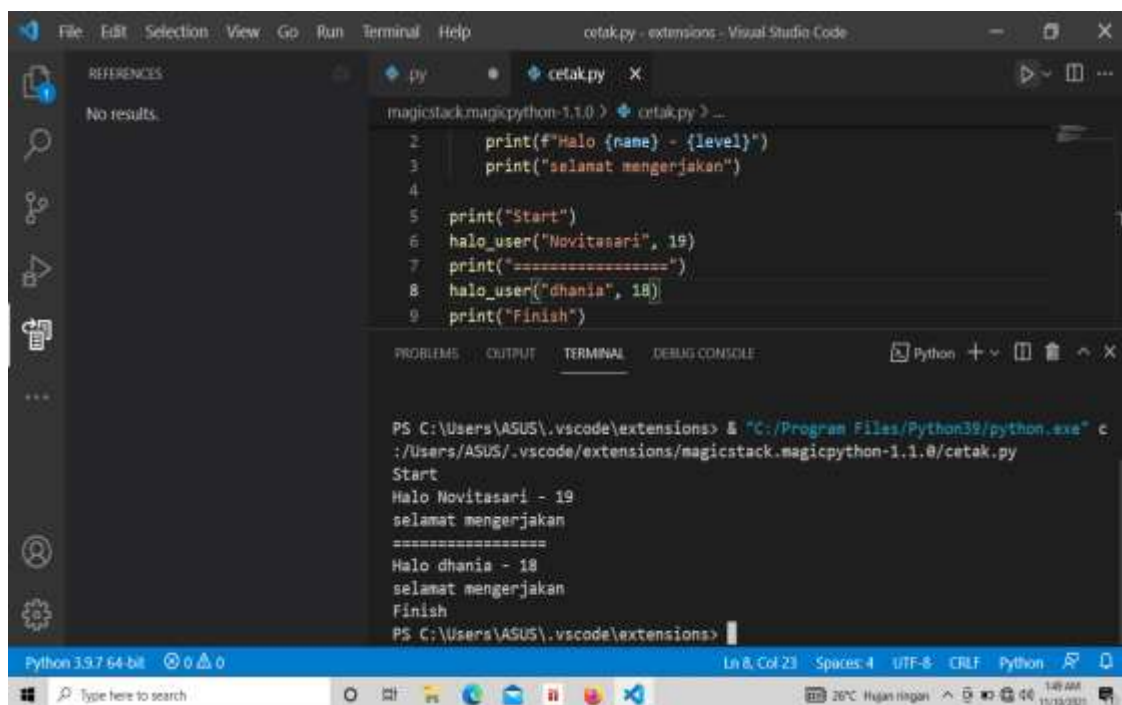
The screenshot shows the Visual Studio Code interface with a file named 'cetak.py' open. The code defines a function 'halo_user' that prints 'Halo_user' and 'selamat mengerjakan', followed by 'Start', 'halo_user()', and 'Finish'. The terminal shows the command 'python3 cetak.py' being executed, resulting in the output: 'Start', 'Halo_user', 'selamat mengerjakan', and 'Finish'.

```
def halo_user():
    print("Halo_user")
    print("selamat mengerjakan")

print("Start")
halo_user()
print("Finish")
```

```
PS C:\Users\ASUS\.vscode\extensions> python3 cetak.py
Start
Halo_user
selamat mengerjakan
Finish
PS C:\Users\ASUS\.vscode\extensions>
```

4. Paramet Fungsi



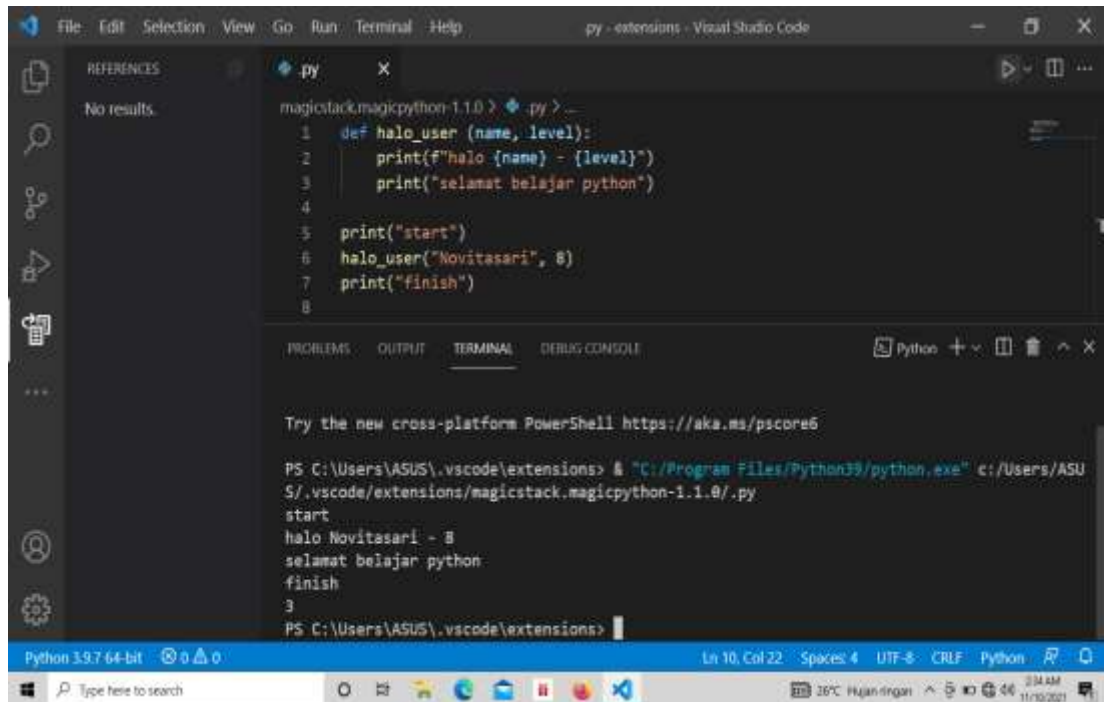
The screenshot shows the Visual Studio Code interface with a file named 'cetak.py' open. The code defines a function 'halo_user' that takes two parameters, 'name' and 'level', and prints 'Halo {name} - {level}' and 'selamat mengerjakan'. The function is called twice: 'halo_user("Novitasari", 19)' and 'halo_user("dhanis", 18)'. The terminal shows the command 'python3 cetak.py' being executed, resulting in the output: 'Start', 'Halo Novitasari - 19', 'selamat mengerjakan', 'Halo dhanis - 18', 'selamat mengerjakan', and 'Finish'.

```
print(f"Halo {name} - {level}")
print("selamat mengerjakan")

print("Start")
halo_user("Novitasari", 19)
print("=====")
halo_user("dhanis", 18)
print("Finish")
```

```
PS C:\Users\ASUS\.vscode\extensions> python3 cetak.py
Start
Halo Novitasari - 19
selamat mengerjakan
=====
Halo dhanis - 18
selamat mengerjakan
Finish
PS C:\Users\ASUS\.vscode\extensions>
```

5. Keyword Argument



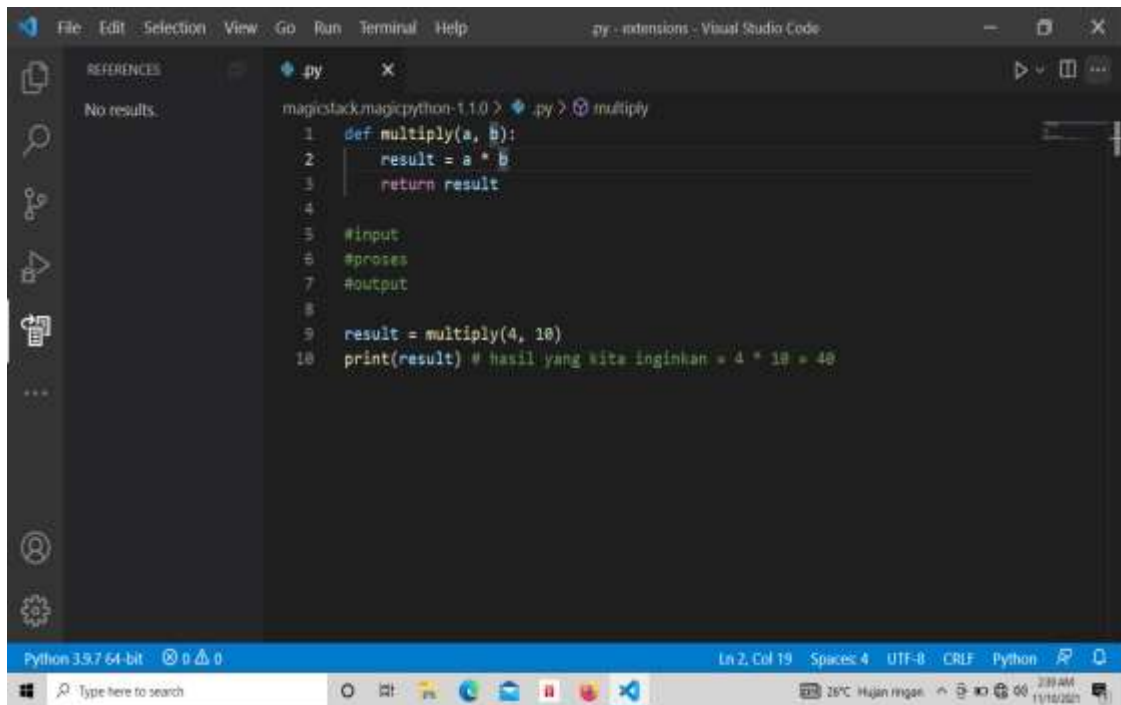
The screenshot shows the Visual Studio Code interface with a Python file named `py` open. The code defines a function `halo_user` with parameters `name` and `level`. It calls the function with `Novitasari` and `8`. The terminal shows the execution output, including the function definition, the function call, and the resulting print statements.

```
magicstack.magicpython-1.1.0 > .py > _
1 def halo_user (name, level):
2     print(f"halo {name} - {level}")
3     print("selamat belajar python")
4
5     print("start")
6     halo_user("Novitasari", 8)
7     print("finish")
8
```

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

```
PS C:\Users\ASUS\.vscode\extensions> & "C:/Program Files/Python39/python.exe" c:/Users/ASUS/.vscode/extensions/magicstack.magicpython-1.1.0/.py
start
halo Novitasari - 8
selamat belajar python
finish
3
PS C:\Users\ASUS\.vscode\extensions>
```

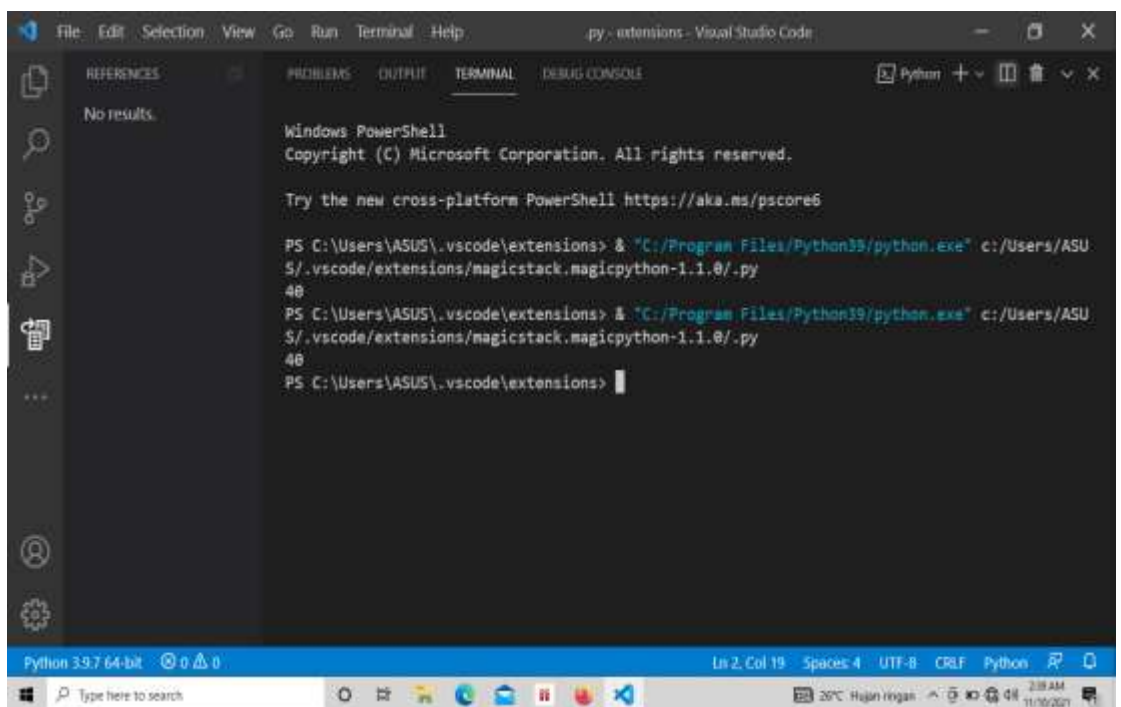
6. Return Value



Visual Studio Code interface showing a Python script in a file named `.py`. The script defines a `multiply` function and calls it with arguments 4 and 10. The output is 40.

```
magicstack.magicpython-1.1.0 > .py > multiply
1 def multiply(a, b):
2     result = a * b
3     return result
4
5 #input
6 #proses
7 #output
8
9 result = multiply(4, 10)
10 print(result) # hasil yang kita inginkan = 4 * 10 = 40
```

Python 3.9.7 64-bit | Ln 2, Col 19 | Spaces: 4 | UTF-8 | CRLF | Python



Visual Studio Code interface showing the terminal output of running the Python script. The terminal displays the PowerShell prompt and the output of the script.

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

PS C:\Users\ASUS\.vscode\extensions> & "C:/Program Files/Python39/python.exe" c:/Users/ASUS/.vscode/extensions/magicstack.magicpython-1.1.0/.py
40
PS C:\Users\ASUS\.vscode\extensions> & "C:/Program Files/Python39/python.exe" c:/Users/ASUS/.vscode/extensions/magicstack.magicpython-1.1.0/.py
40
PS C:\Users\ASUS\.vscode\extensions> 
```

Python 3.9.7 64-bit | Ln 2, Col 19 | Spaces: 4 | UTF-8 | CRLF | Python