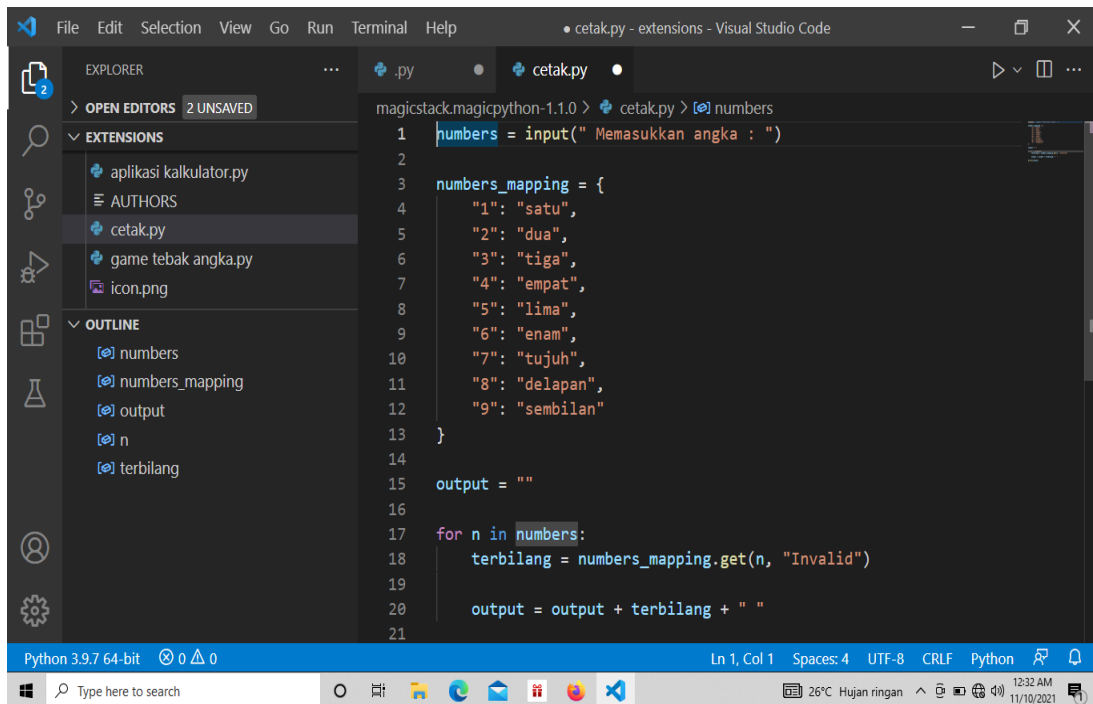


Nama : Veni Septiani

Nim : 20.01.013.016

Kelas : AI\_C

## 1. Aplikasi Terbilang



The screenshot shows the Visual Studio Code interface with a Python file named `cetak.py` open. The Explorer sidebar on the left shows the file structure with an `OUTLINE` view listing `numbers`, `numbers_mapping`, `output`, `n`, and `terbilang`. The main editor displays the following Python code:

```
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 + " "
```

The status bar at the bottom indicates the environment is Python 3.9.7 64-bit, with 4 spaces, UTF-8 encoding, and CRLF line endings. The system tray at the bottom shows the date and time as 11/10/2021, 12:32 AM.

Visual Studio Code editor showing the file `cetak.py` in the `extensions` folder. The code defines a dictionary `numbers_mapping` and a function to print numbers in Indonesian.

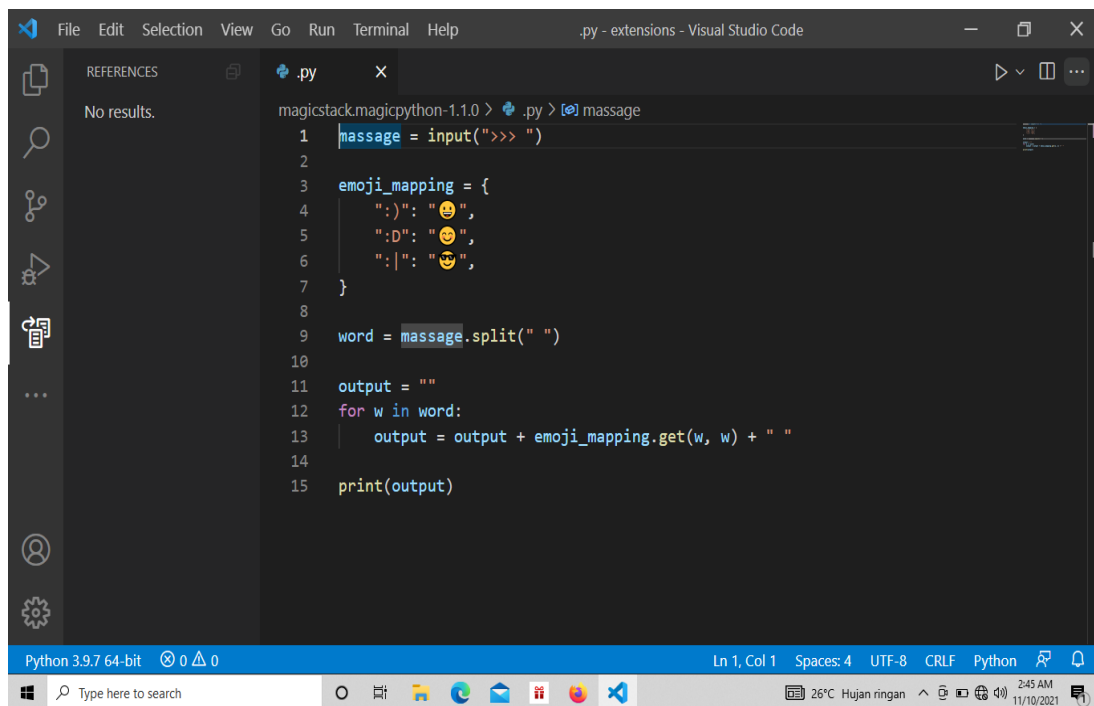
```
3 numbers_mapping = {
4     "1": "satu",
5     "2": "dua",
6     "3": "tiga",
7     "4": "empat",
8     "5": "lima",
9     "6": "enam",
10    "7": "tujuh",
11    "8": "delapan",
12    "9": "sembilan"
13 }
14
15 output = ""
16
17 for n in numbers:
18     terbilang = numbers_mapping.get(n, "Invalid")
19
20     output = output + terbilang + " "
21
22 print(output)
```

The Explorer sidebar shows the file structure, and the Outline sidebar shows the code structure.

Visual Studio Code editor showing the file `cetak.py` in the `extensions` folder. The code is the same as the previous screenshot. The Terminal panel shows the execution of the script, displaying the output for the input '1234'.

```
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

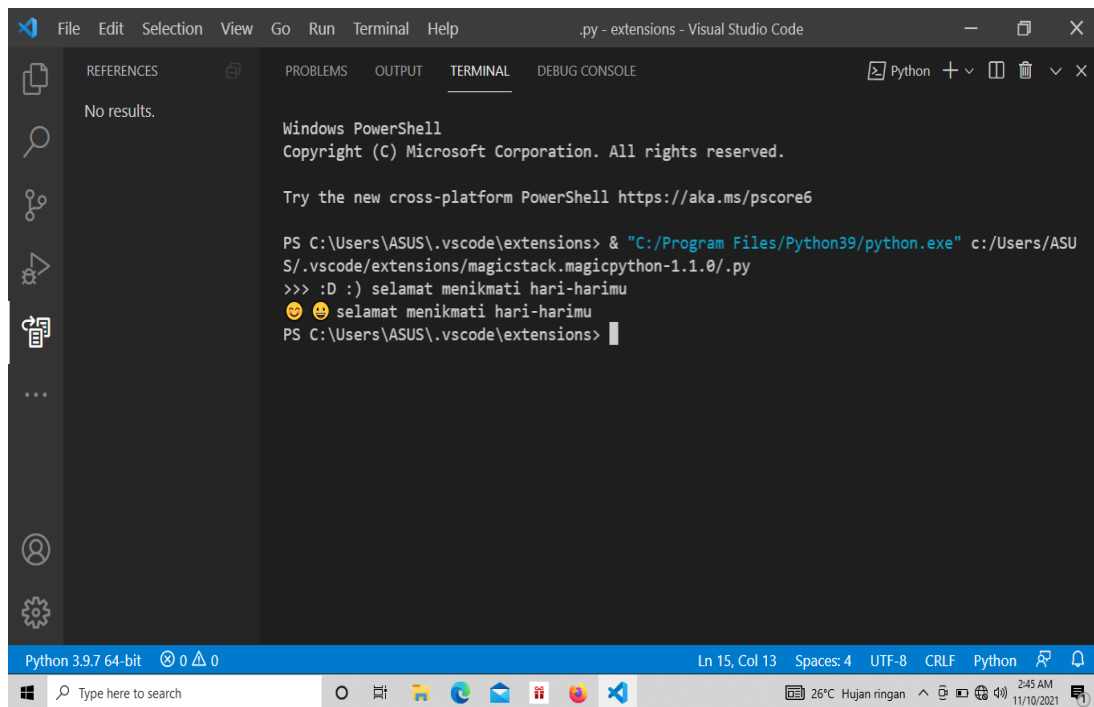


```
magicstack.magicpython-1.1.0 > .py > [e] message
1 message = input(">>> ")
2
3 emoji_mapping = {
4     ".):": "😄",
5     ":D": "😄",
6     ":|": "😄",
7 }
8
9 word = message.split(" ")
10
11 output = ""
12 for w in word:
13     output = output + emoji_mapping.get(w, w) + " "
14
15 print(output)
```

Python 3.9.7 64-bit 0 0 0 Ln 1, Col 1 Spaces: 4 UTF-8 CRLF Python

26°C Hujan ringan 2:45 AM 11/10/2021





The image shows a screenshot of the Visual Studio Code interface. The top menu bar includes File, Edit, Selection, View, Go, Run, Terminal, and Help. The title bar indicates the active file is ".py - extensions - Visual Studio Code". The left sidebar shows the Explorer view with "No results." displayed. The main editor area is split into two panes: the left pane shows the "REFERENCES" view, and the right pane shows the "TERMINAL" view. The terminal output is as follows:

```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

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
>>> :D :) selamat menikmati hari-harimu
😊😊 selamat menikmati hari-harimu
PS C:\Users\ASUS\.vscode\extensions>
```

The status bar at the bottom of the editor shows "Python 3.9.7 64-bit", "Ln 15, Col 13", "Spaces: 4", "UTF-8", "CRLF", and "Python". The Windows taskbar at the bottom shows the search bar, taskbar icons, and system tray information including "26°C Hujan ringan", "2:45 AM", and "11/10/2021".

### 3. Fungsi

The screenshot shows the Visual Studio Code interface. The editor window displays a Python file named `cetak.py` with the following code:

```
1 def halo_user():
2     print("Halo_user")
3     print("selamat menikmati hidangan yang telah disiapkan")
4
5 print("Start")
6 halo_user()
7 print("Finish")
```

The left sidebar shows the 'REFERENCES' panel with 'No results.' The bottom panel shows the 'TERMINAL' output:

```
Copyright (C) Microsoft Corporation. All rights reserved.

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/cetak.py
Start
Halo_user
selamat menikmati hidangan yang telah disiapkan
Finish
PS C:\Users\ASUS\.vscode\extensions> 
```

The status bar at the bottom indicates 'Python 3.9.7 64-bit', 'Ln 1, Col 1', 'Spaces: 4', 'UTF-8', 'CRLF', and 'Python'.

#### 4. Paramet Fungsi

Visual Studio Code interface showing a Python file named `cetak.py`. The code defines a function `halo_user` and calls it with two arguments.

```
1 def halo_user(name, level):
2     print(f"Halo {name} - {level}")
3     print("selamat mengerjakan")
4
5 print("Start")
6 halo_user("Veni Septiani", 19)
7 print("=====")
8 halo_user("faizal", 20)
9 print("Finish")
```

The status bar at the bottom indicates: Python 3.9.7 64-bit, Ln 2, Col 1, Spaces: 4, UTF-8, CRLF, Python.

Visual Studio Code interface showing the same Python file `cetak.py`. The terminal window is open, displaying the output of the script execution.

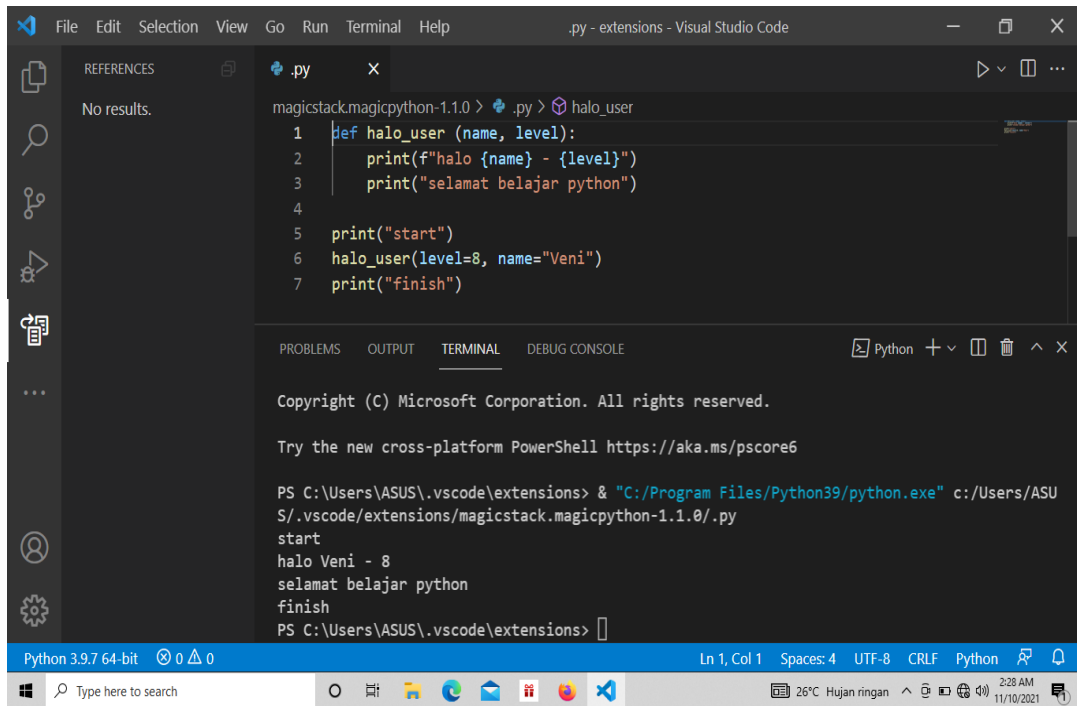
```
3 print("selamat mengerjakan")
4
5 print("Start")
6 halo_user("Veni Septiani", 19)
7 print("=====")
8 halo_user("faizal", 20)
9 print("Finish")
```

The terminal output shows:

```
PS C:\Users\ASUS\.vscode\extensions> & "C:/Program Files/Python39/python.exe" c
:/Users/ASUS/.vscode/extensions/magicstack.magicpython-1.1.0/cetak.py
Start
Halo Veni Septiani - 19
selamat mengerjakan
=====
Halo faizal - 20
selamat mengerjakan
Finish
PS C:\Users\ASUS\.vscode\extensions>
```

The status bar at the bottom indicates: Python 3.9.7 64-bit, Ln 8, Col 23, Spaces: 4, UTF-8, CRLF, Python.

## 5. Keyword Argument



The screenshot shows the Visual Studio Code interface. The editor window displays a Python file named `.py` with the following 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=8, name="Veni")  
7     print("finish")
```

The terminal window at the bottom shows the execution of the script using the MagicStack Python extension:

```
magicstack.magicpython-1.1.0 > .py > halo_user  
start  
halo Veni - 8  
selamat belajar python  
finish  
PS C:\Users\ASUS\.vscode\extensions>
```

The status bar at the bottom indicates the Python version is 3.9.7 64-bit, and the file encoding is UTF-8.

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

```
5 print("start")
6 halo_user("veni", 8)
7 print("finish")
8
9
10 length = len([1, 2, 3])
11 print(length)
```

The terminal window at the bottom shows the command `python .py` being executed, resulting in the following output:

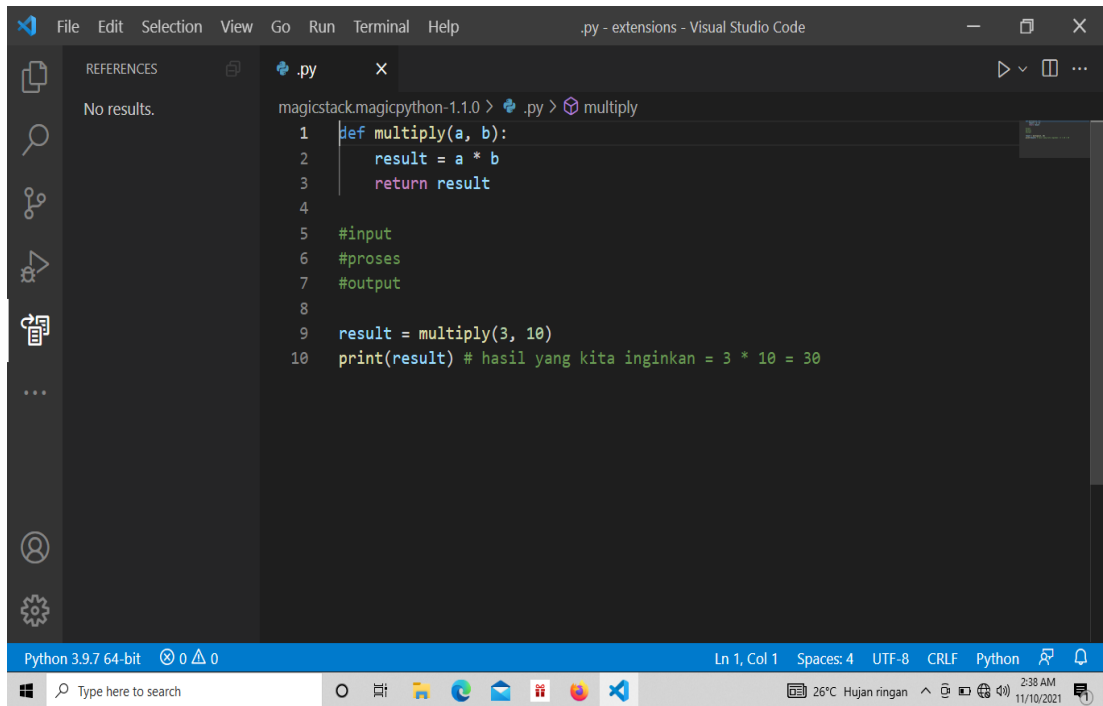
```
start
halo veni - 8
selamat belajar python
finish
3
```

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.

This screenshot is identical to the one above, showing the same Visual Studio Code interface with the Python script and its execution output in the terminal. The code and terminal output are the same as in the first image.



## 6. Return Value



The screenshot shows the Visual Studio Code interface with a Python file named `multiply.py` open. The editor displays the following code:

```
1 def multiply(a, b):
2     result = a * b
3     return result
4
5 #input
6 #proses
7 #output
8
9 result = multiply(3, 10)
10 print(result) # hasil yang kita inginkan = 3 * 10 = 30
```

The left sidebar shows the Explorer view with 'No results.' displayed. The bottom status bar indicates the Python 3.9.7 64-bit environment, with the cursor at line 1, column 1. The system tray at the bottom shows the date and time as 2:38 AM on 11/10/2021.

