

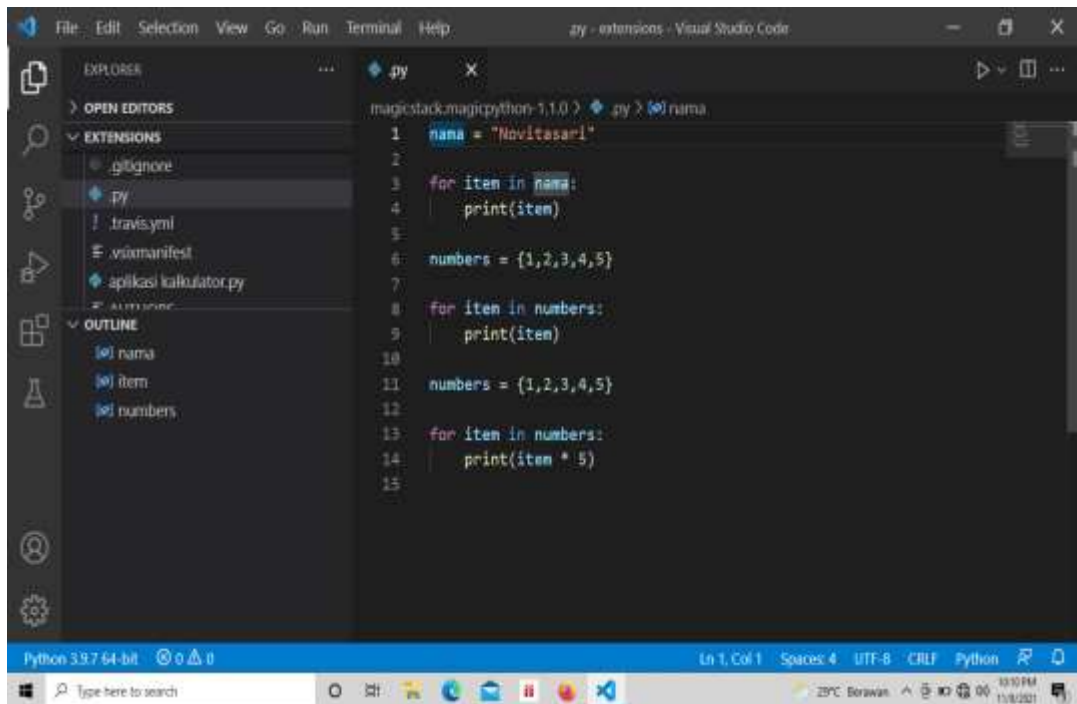
Nama : Novitasari

Nim : 20.01.013.012

Kelas : AI\_C

Python 4

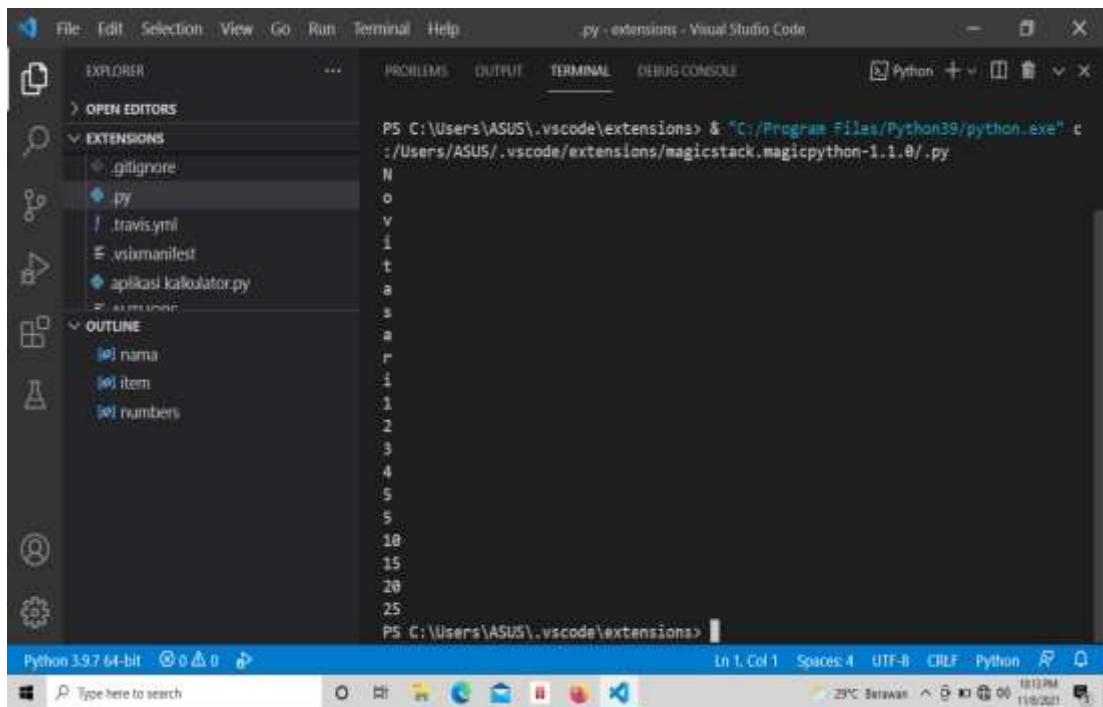
- Perulangan for



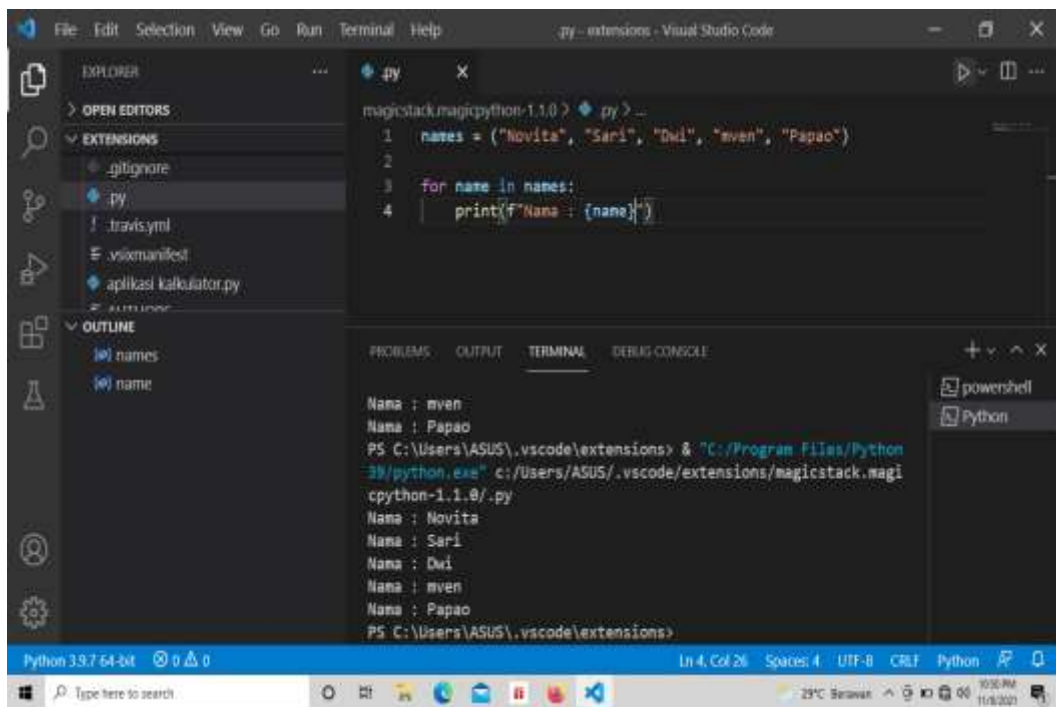
The screenshot shows the Visual Studio Code interface with a Python file named `magicstack-magicpython-1.1.0.py` open. The code contains three for loops: one for iterating over the string `nama`, one for iterating over the list `numbers`, and another for iterating over `numbers` with a calculation. The Explorer sidebar on the left shows the file structure, and the Outline sidebar shows the variables `nama`, `item`, and `numbers`. The status bar at the bottom indicates the Python version is 3.9.7 64-bit.

```
1 nama = "Novitasari"
2
3 for item in nama:
4     print(item)
5
6 numbers = {1,2,3,4,5}
7
8 for item in numbers:
9     print(item)
10
11 numbers = {1,2,3,4,5}
12
13 for item in numbers:
14     print(item * 5)
15
```

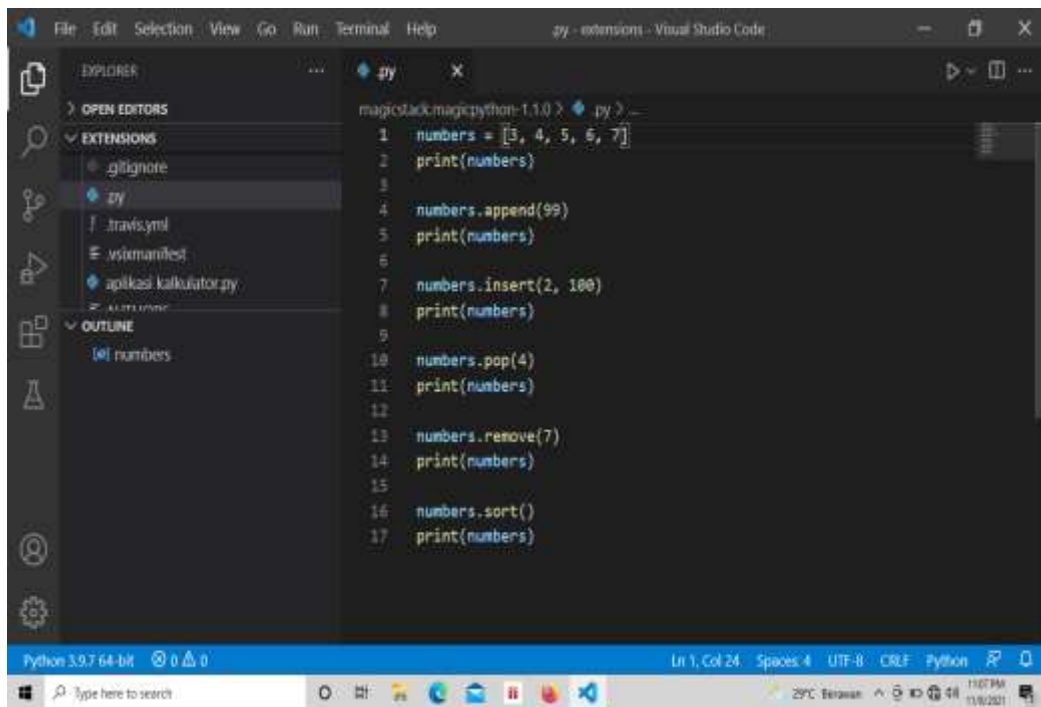
- Hasilnya adalah sebagai berikut:



- List



- List method

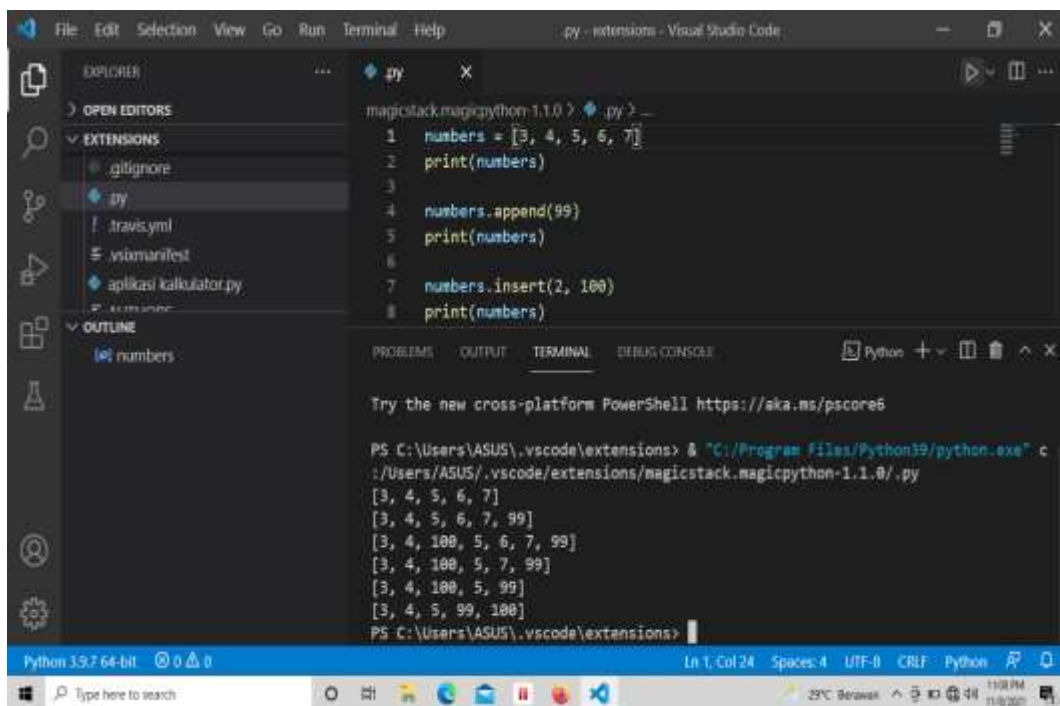


The screenshot shows the Visual Studio Code interface with a Python file named 'py' open. The code in the file is as follows:

```
1 numbers = [3, 4, 5, 6, 7]
2 print(numbers)
3
4 numbers.append(99)
5 print(numbers)
6
7 numbers.insert(2, 100)
8 print(numbers)
9
10 numbers.pop(4)
11 print(numbers)
12
13 numbers.remove(7)
14 print(numbers)
15
16 numbers.sort()
17 print(numbers)
```

The status bar at the bottom indicates 'Python 3.9.7 64-bit' and 'Ln 1, Col 24'.

- Hasilnya adalah:

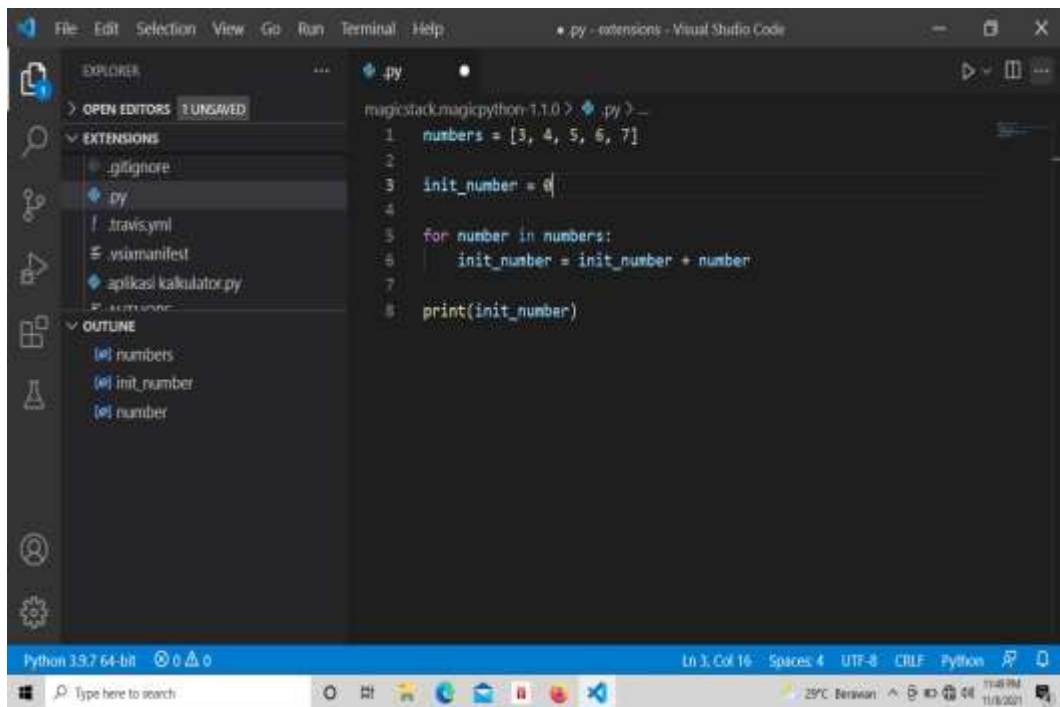


The screenshot shows the same Visual Studio Code interface, but with the terminal window open at the bottom. The terminal displays the output of the Python script:

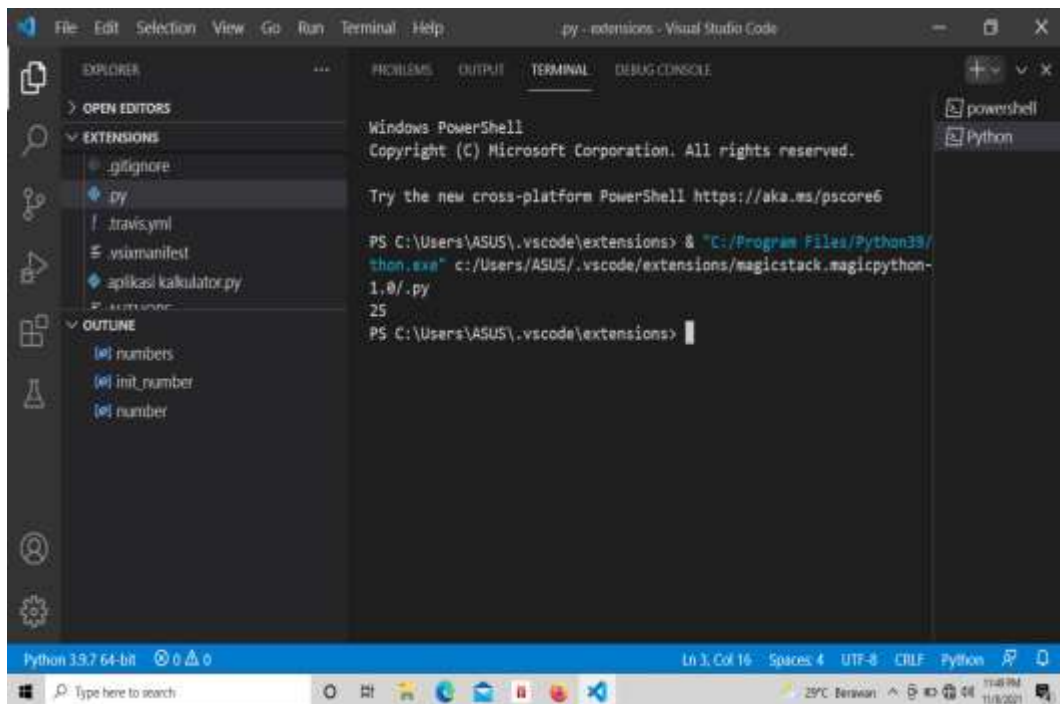
```
PS C:\Users\ASUS\.vscode\extensions> & "C:/Program Files/Python39/python.exe" c
:/Users/ASUS/.vscode/extensions/magicstack.magicpython-1.1.0/.py
[3, 4, 5, 6, 7]
[3, 4, 5, 6, 7, 99]
[3, 4, 100, 5, 6, 7, 99]
[3, 4, 100, 5, 7, 99]
[3, 4, 100, 5, 99]
[3, 4, 5, 99, 100]
PS C:\Users\ASUS\.vscode\extensions>
```

The status bar at the bottom indicates 'Python 3.9.7 64-bit' and 'Ln 1, Col 24'.

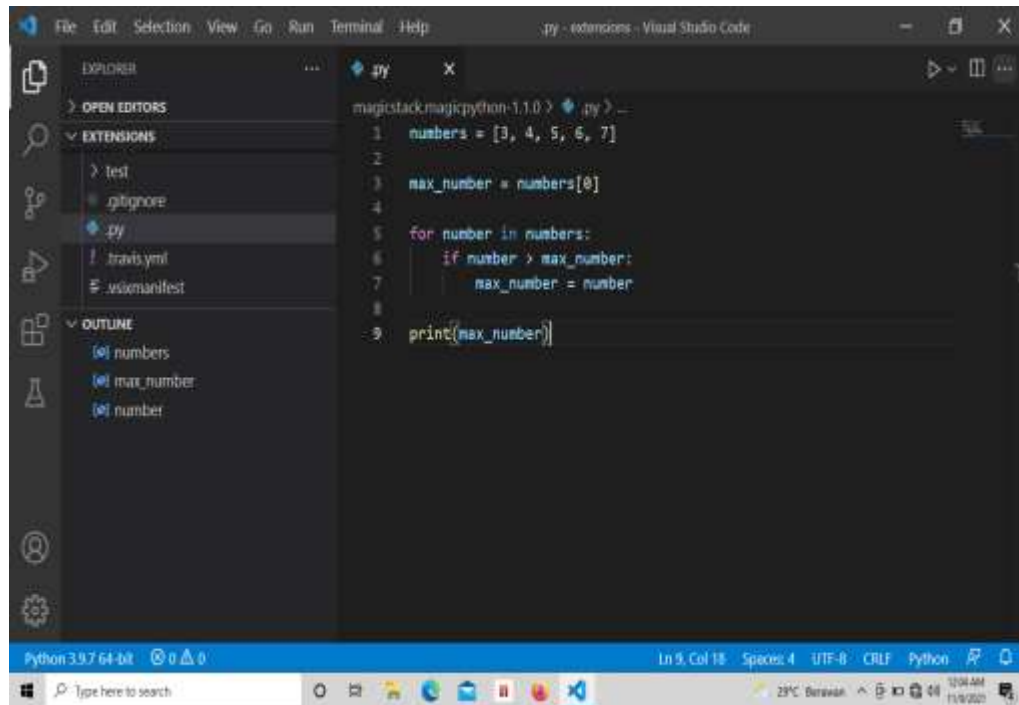
- Menjumlahkan list



- Hasilnya adalah



- Mencari angka max  
Untuk mendapatkan angka max kita bisa menggunakan beberapa cara. Dan cara yang saya gunakan adalah cara 1 dan juga cara 3.

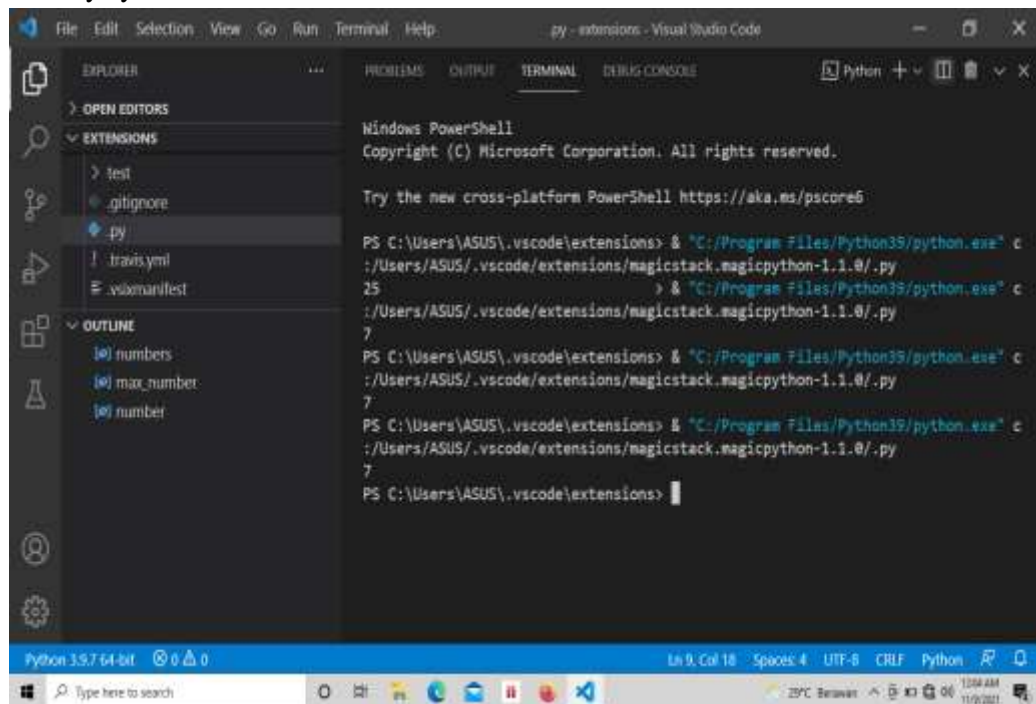


The screenshot shows the Visual Studio Code interface with a Python file named 'py' open. The Explorer sidebar on the left shows the file structure with 'py' selected. The main editor area displays the following Python code:

```
1 numbers = [3, 4, 5, 6, 7]
2
3 max_number = numbers[0]
4
5 for number in numbers:
6     if number > max_number:
7         max_number = number
8
9 print(max_number)
```

The status bar at the bottom indicates 'Python 3.9.7 64-bit', 'Ln 9, Col 18', 'Spaces: 4', 'UTF-8', 'CRLF', and 'Python'.

- Hasilnya yaitu:



The screenshot shows the Visual Studio Code interface with the 'TERMINAL' tab active. The terminal displays the output of running the Python script. The command prompt shows the execution of the script, and the output is '7'.

```
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
25
> & "C:/Program Files/Python39/python.exe" c
:/Users/ASUS/.vscode/extensions/magicstack.magicpython-1.1.0/.py
7
PS C:\Users\ASUS\.vscode\extensions> & "C:/Program Files/Python39/python.exe" c
:/Users/ASUS/.vscode/extensions/magicstack.magicpython-1.1.0/.py
7
PS C:\Users\ASUS\.vscode\extensions> & "C:/Program Files/Python39/python.exe" c
:/Users/ASUS/.vscode/extensions/magicstack.magicpython-1.1.0/.py
7
PS C:\Users\ASUS\.vscode\extensions> 
```

The status bar at the bottom indicates 'Python 3.9.7 64-bit', 'Ln 9, Col 18', 'Spaces: 4', 'UTF-8', 'CRLF', and 'Python'.

- Tuple

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

```
1 numbers = [2, 4, 6, 3, 8]
2 print(numbers)
3 numbers[0] = 10
4 print(numbers)
5
6 print(numbers[4])
```

The terminal window shows the execution of the script using the command `python c:\Users\ASUS\.vscode\extensions\magicstack.magicpython-1.1.0\py`. The output is:

```
[2, 4, 6, 3, 8]
[10, 4, 6, 3, 8]
8
```

The status bar at the bottom indicates the file is a Python 3.9.7 64-bit script, using UTF-8 encoding and CRLF line endings.

- Unpack

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

```
1 #x = numbers[0]
2 #y = numbers[1]
3 #z = numbers[2]
4
5 numbers = [11, 22, 14]
6
7 x, y, z = numbers
8
9 print(z)
10 x, _, _ = numbers
11
12 print(x)
13
14 x, *a = numbers
15
16 print("")
17 print(x)
18 print(a)
```

The terminal window shows the execution of the script using the command `python c:\Users\ASUS\.vscode\extensions\magicstack.magicpython-1.1.0\py`. The output is:

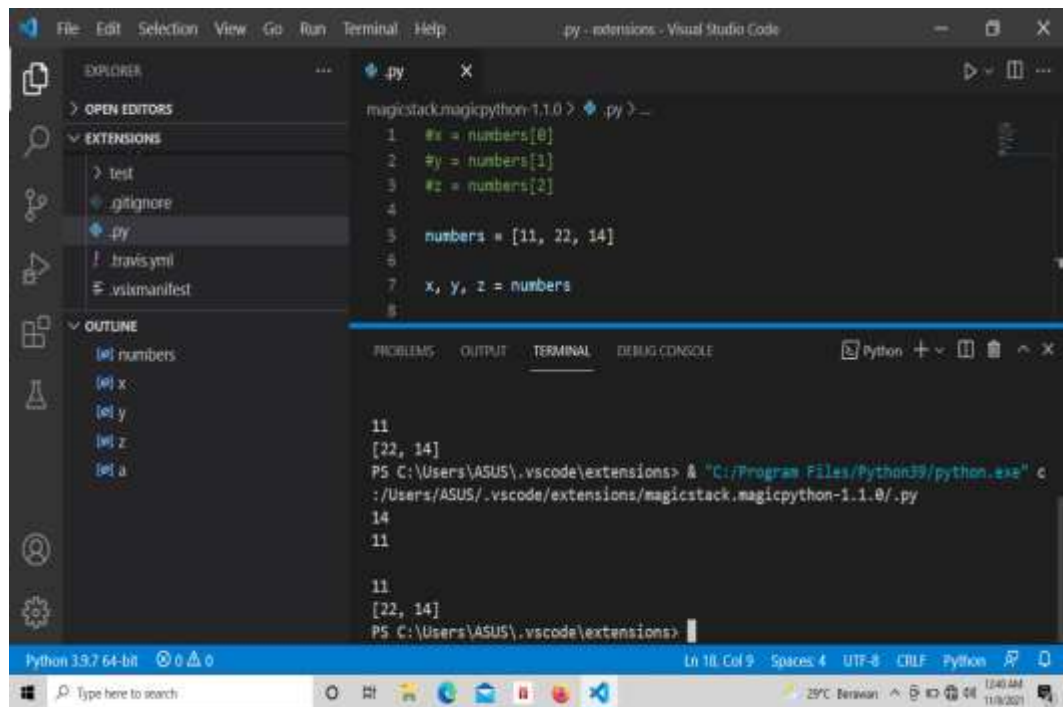
```
14
11

```

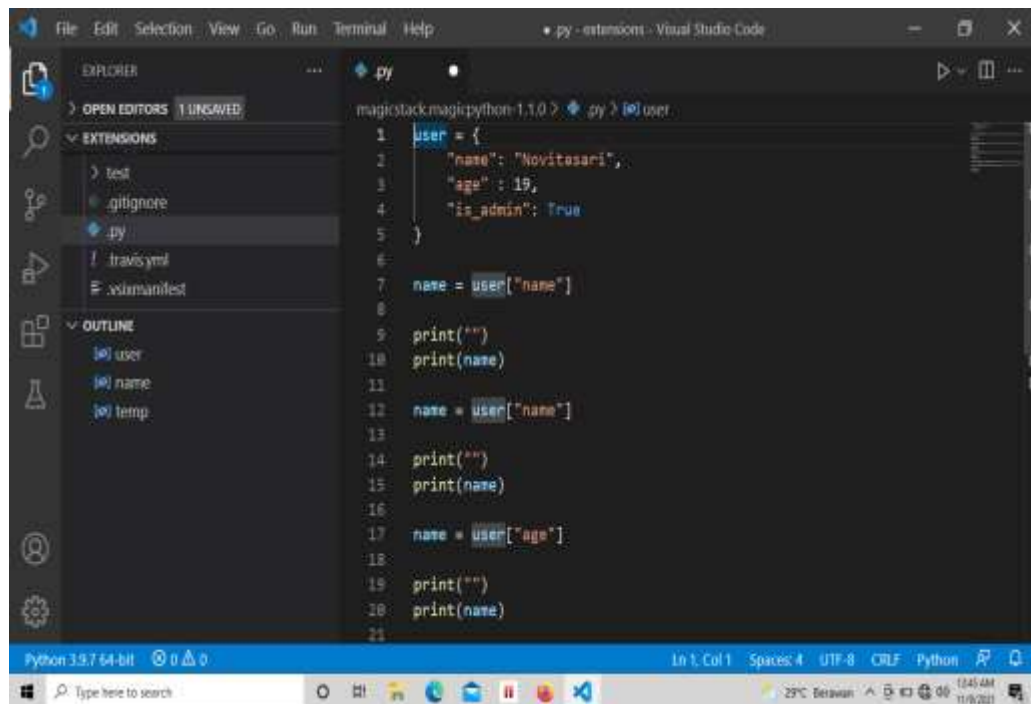
The status bar at the bottom indicates the file is a Python 3.9.7 64-bit script, using UTF-8 encoding and CRLF line endings.

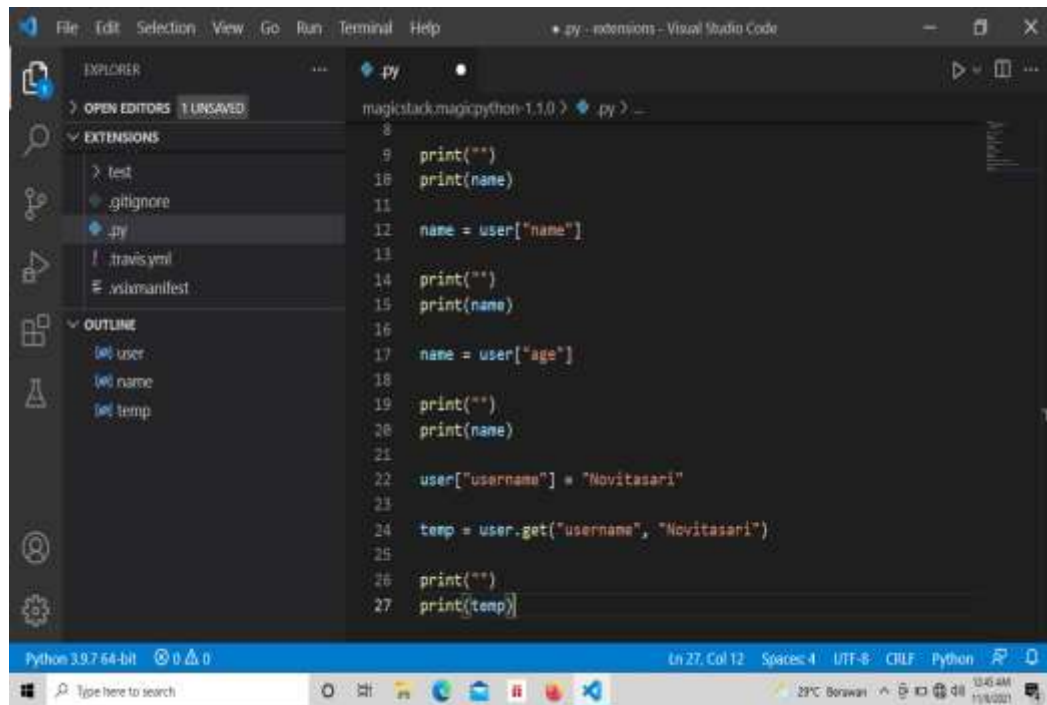
- Hasilnya





- Dictionary



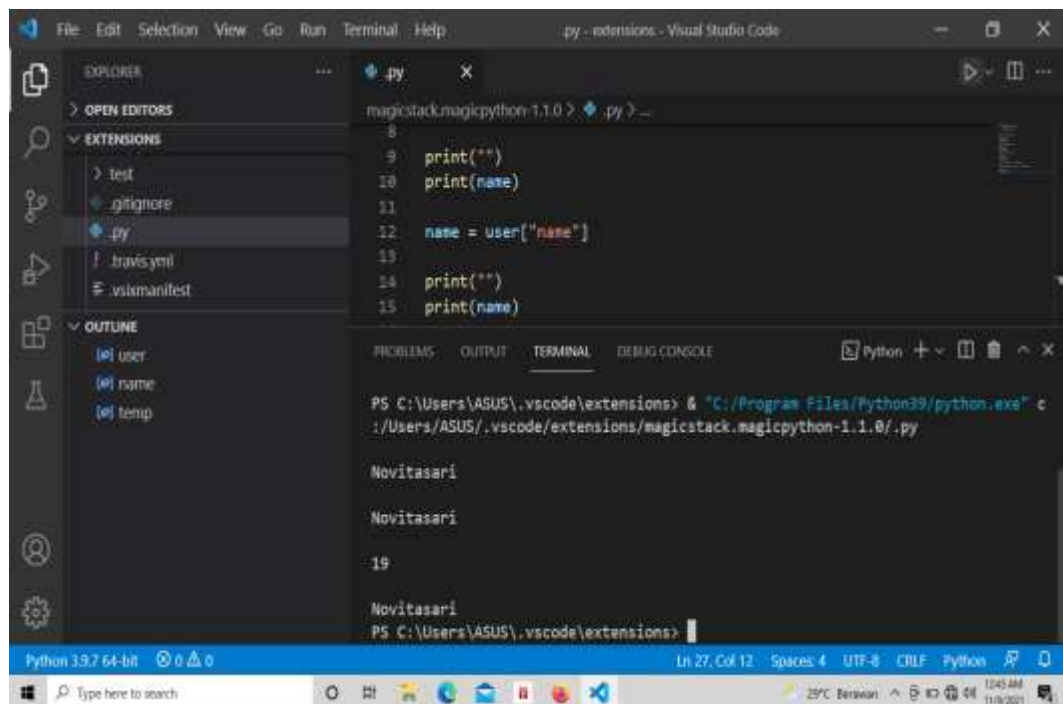


The screenshot shows the Visual Studio Code interface with a Python file named 'py' open. The file contains the following code:

```
8
9 print("")
10 print(name)
11
12 name = user["name"]
13
14 print("")
15 print(name)
16
17 name = user["age"]
18
19 print("")
20 print(name)
21
22 user["username"] = "Novitasari"
23
24 temp = user.get("username", "Novitasari")
25
26 print("")
27 print(temp)
```

The left sidebar shows the Explorer view with the file 'py' selected. The bottom status bar indicates Python 3.9.7 64-bit, line 27, column 12, and the file is saved.

- Hasilnya adalah:



The screenshot shows the Visual Studio Code interface with the same Python file 'py' open. The terminal window at the bottom shows the execution of the script:

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

Novitasari

Novitasari

19

Novitasari
PS C:\Users\ASUS\.vscode\extensions>
```

The terminal output shows the results of the script execution, which are 'Novitasari' and '19'.