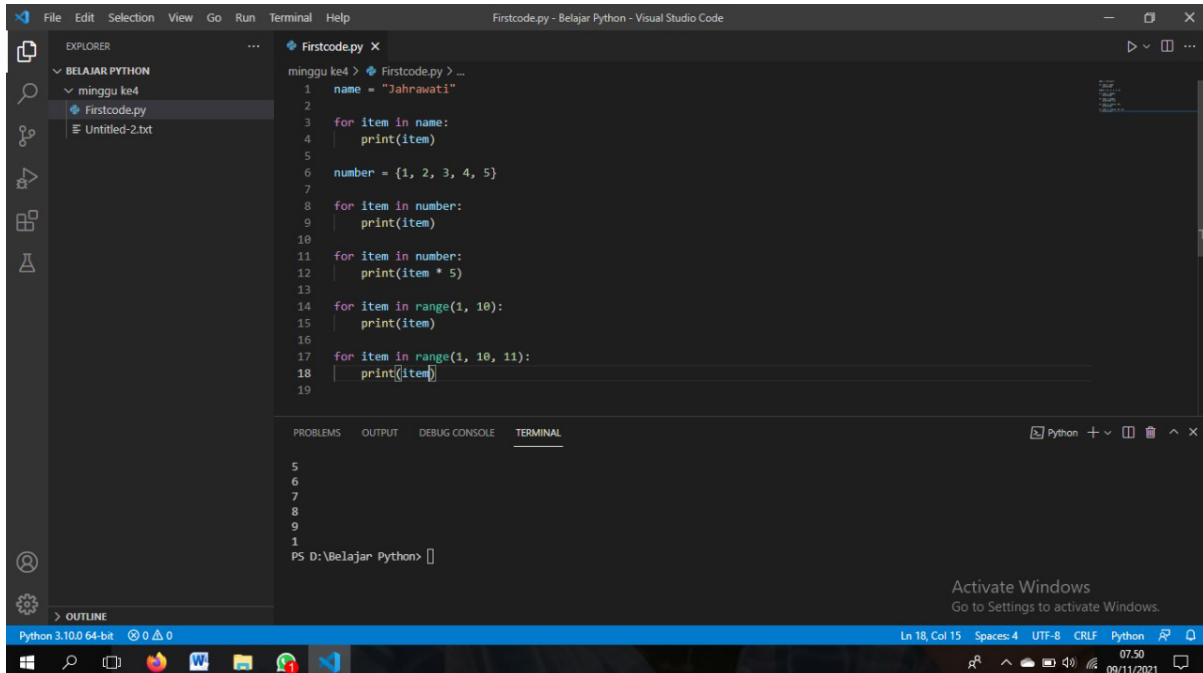


1. Perulangan for



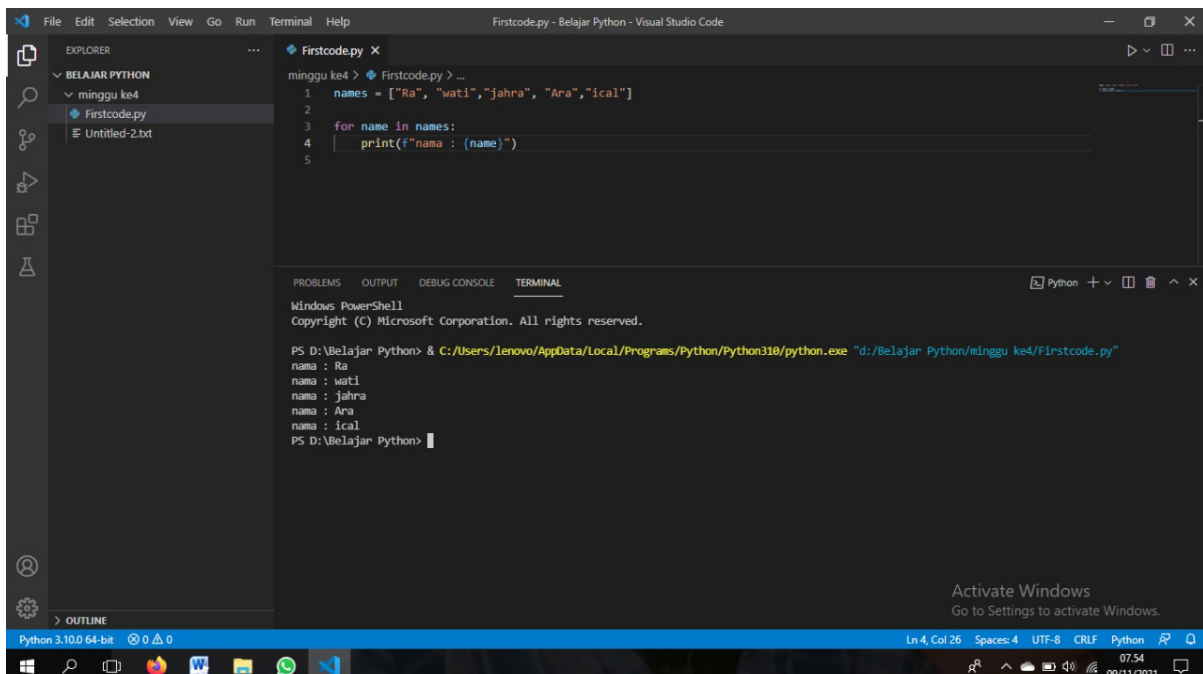
The screenshot shows the Visual Studio Code interface with a Python file named 'Firstcode.py' open. The code contains several for loops. The terminal output shows the results of these loops.

```
minggu ke4 > Firstcode.py ...
1 name = "Jahrawati"
2
3 for item in name:
4     print(item)
5
6 number = {1, 2, 3, 4, 5}
7
8 for item in number:
9     print(item)
10
11 for item in number:
12     print(item * 5)
13
14 for item in range(1, 10):
15     print(item)
16
17 for item in range(1, 10, 11):
18     print(item)
19
```

Terminal Output:

```
5
6
7
8
9
1
PS D:\Belajar Python>
```

2. List



The screenshot shows the Visual Studio Code interface with a Python file named 'Firstcode.py' open. The code contains a for loop that iterates over a list of names. The terminal output shows the result of this loop.

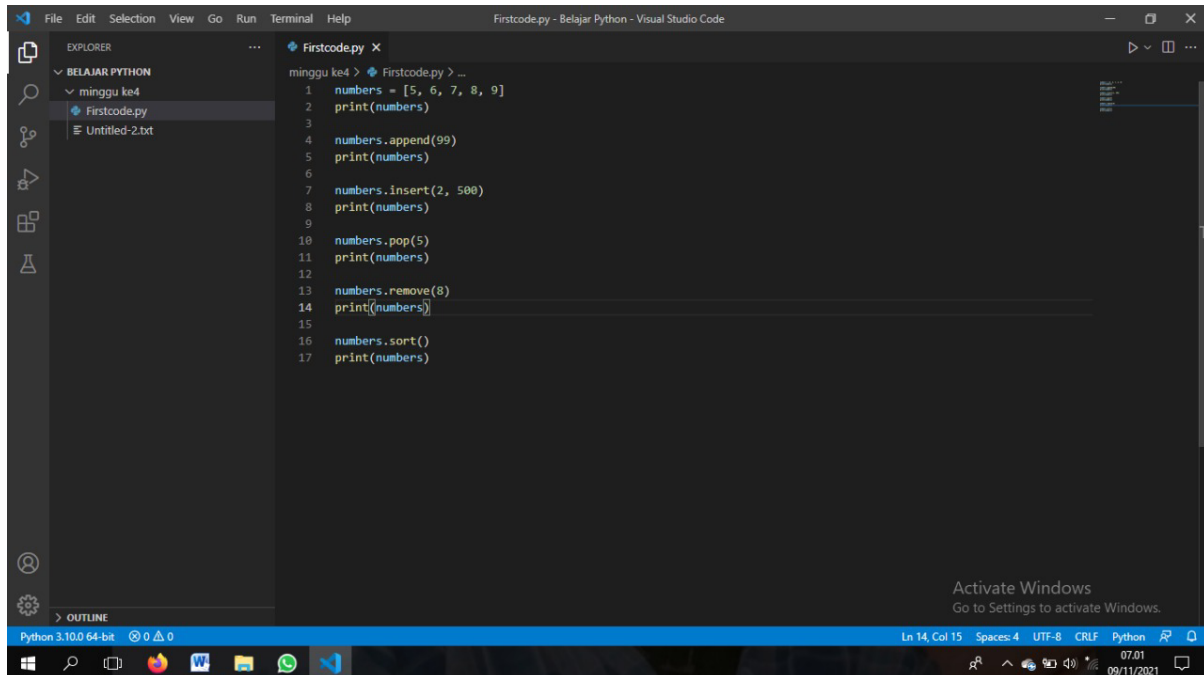
```
minggu ke4 > Firstcode.py ...
1 names = ["Ra", "wati", "jahra", "Ara", "ical"]
2
3 for name in names:
4     print(f"nama : {name}")
5
```

Terminal Output:

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

PS D:\Belajar Python> C:/Users/lenovo/AppData/Local/Programs/Python/Python310/python.exe "d:/Belajar Python/minggu ke4/Firstcode.py"
nama : Ra
nama : wati
nama : jahra
nama : Ara
nama : ical
PS D:\Belajar Python>
```

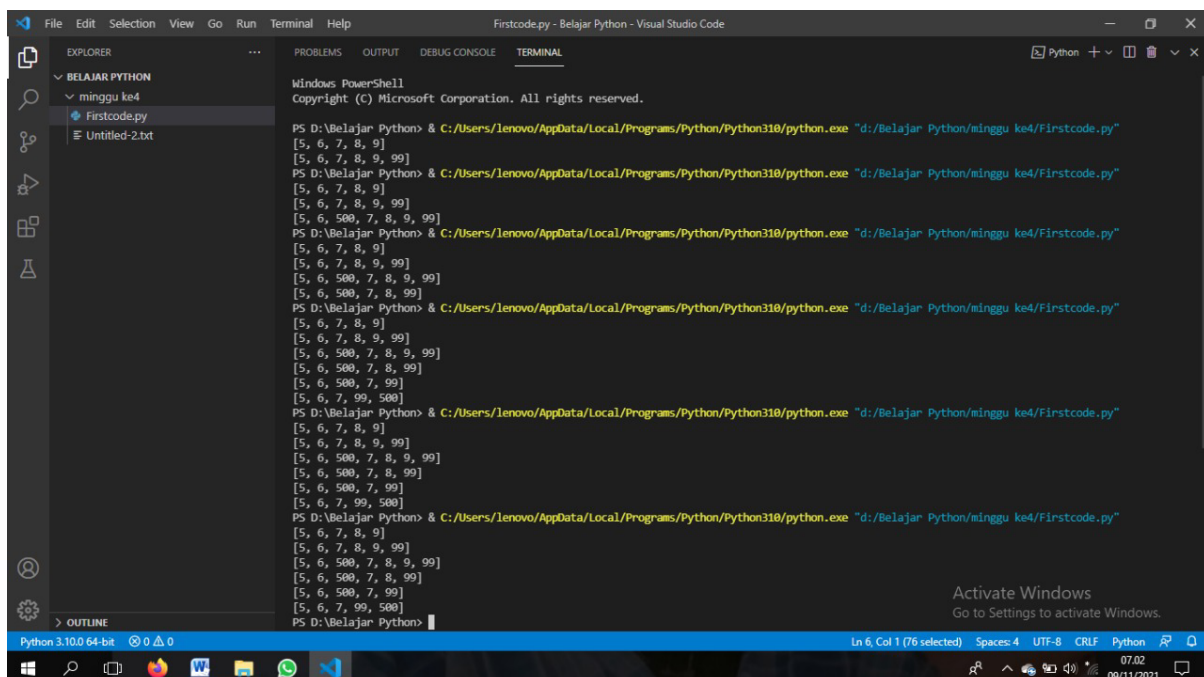
3. List Method



The screenshot shows the Visual Studio Code editor with a file named `Firstcode.py` open. The Explorer sidebar on the left shows the project structure: `BELAJAR PYTHON` > `minggu ke4` > `Firstcode.py`. The code in the editor is as follows:

```
1 numbers = [5, 6, 7, 8, 9]
2 print(numbers)
3
4 numbers.append(99)
5 print(numbers)
6
7 numbers.insert(2, 500)
8 print(numbers)
9
10 numbers.pop(5)
11 print(numbers)
12
13 numbers.remove(8)
14 print(numbers)
15
16 numbers.sort()
17 print(numbers)
```

The status bar at the bottom indicates the file is using Python 3.10.0 64-bit, with 14 lines and 15 columns selected. A Windows activation watermark is visible in the bottom right corner.



The screenshot shows the same Visual Studio Code editor with the `TERMINAL` tab active. The terminal displays the output of running the `Firstcode.py` script using the command `python.exe "d:/Belajar Python/minggu ke4/Firstcode.py"`. The output shows the state of the `numbers` list after each operation:

```
PS D:\Belajar Python> & C:/Users/lenovo/AppData/Local/Programs/Python/Python310/python.exe "d:/Belajar Python/minggu ke4/Firstcode.py"
[5, 6, 7, 8, 9]
PS D:\Belajar Python> & C:/Users/lenovo/AppData/Local/Programs/Python/Python310/python.exe "d:/Belajar Python/minggu ke4/Firstcode.py"
[5, 6, 7, 8, 9, 99]
PS D:\Belajar Python> & C:/Users/lenovo/AppData/Local/Programs/Python/Python310/python.exe "d:/Belajar Python/minggu ke4/Firstcode.py"
[5, 6, 7, 8, 9]
PS D:\Belajar Python> & C:/Users/lenovo/AppData/Local/Programs/Python/Python310/python.exe "d:/Belajar Python/minggu ke4/Firstcode.py"
[5, 6, 500, 7, 8, 9, 99]
PS D:\Belajar Python> & C:/Users/lenovo/AppData/Local/Programs/Python/Python310/python.exe "d:/Belajar Python/minggu ke4/Firstcode.py"
[5, 6, 7, 8, 9, 99]
PS D:\Belajar Python> & C:/Users/lenovo/AppData/Local/Programs/Python/Python310/python.exe "d:/Belajar Python/minggu ke4/Firstcode.py"
[5, 6, 500, 7, 8, 9, 99]
PS D:\Belajar Python> & C:/Users/lenovo/AppData/Local/Programs/Python/Python310/python.exe "d:/Belajar Python/minggu ke4/Firstcode.py"
[5, 6, 500, 7, 8, 99]
PS D:\Belajar Python> & C:/Users/lenovo/AppData/Local/Programs/Python/Python310/python.exe "d:/Belajar Python/minggu ke4/Firstcode.py"
[5, 6, 7, 8, 9]
PS D:\Belajar Python> & C:/Users/lenovo/AppData/Local/Programs/Python/Python310/python.exe "d:/Belajar Python/minggu ke4/Firstcode.py"
[5, 6, 7, 8, 9, 99]
PS D:\Belajar Python> & C:/Users/lenovo/AppData/Local/Programs/Python/Python310/python.exe "d:/Belajar Python/minggu ke4/Firstcode.py"
[5, 6, 500, 7, 8, 9, 99]
PS D:\Belajar Python> & C:/Users/lenovo/AppData/Local/Programs/Python/Python310/python.exe "d:/Belajar Python/minggu ke4/Firstcode.py"
[5, 6, 500, 7, 8, 99]
PS D:\Belajar Python> & C:/Users/lenovo/AppData/Local/Programs/Python/Python310/python.exe "d:/Belajar Python/minggu ke4/Firstcode.py"
[5, 6, 7, 8, 9]
PS D:\Belajar Python> & C:/Users/lenovo/AppData/Local/Programs/Python/Python310/python.exe "d:/Belajar Python/minggu ke4/Firstcode.py"
[5, 6, 7, 8, 9, 99]
PS D:\Belajar Python> & C:/Users/lenovo/AppData/Local/Programs/Python/Python310/python.exe "d:/Belajar Python/minggu ke4/Firstcode.py"
[5, 6, 500, 7, 8, 9, 99]
PS D:\Belajar Python> & C:/Users/lenovo/AppData/Local/Programs/Python/Python310/python.exe "d:/Belajar Python/minggu ke4/Firstcode.py"
[5, 6, 500, 7, 8, 99]
PS D:\Belajar Python> & C:/Users/lenovo/AppData/Local/Programs/Python/Python310/python.exe "d:/Belajar Python/minggu ke4/Firstcode.py"
[5, 6, 7, 99, 500]
PS D:\Belajar Python> & C:/Users/lenovo/AppData/Local/Programs/Python/Python310/python.exe "d:/Belajar Python/minggu ke4/Firstcode.py"
[5, 6, 7, 8, 9]
PS D:\Belajar Python> & C:/Users/lenovo/AppData/Local/Programs/Python/Python310/python.exe "d:/Belajar Python/minggu ke4/Firstcode.py"
[5, 6, 500, 7, 8, 9, 99]
PS D:\Belajar Python> & C:/Users/lenovo/AppData/Local/Programs/Python/Python310/python.exe "d:/Belajar Python/minggu ke4/Firstcode.py"
[5, 6, 500, 7, 8, 99]
PS D:\Belajar Python> & C:/Users/lenovo/AppData/Local/Programs/Python/Python310/python.exe "d:/Belajar Python/minggu ke4/Firstcode.py"
[5, 6, 7, 99, 500]
PS D:\Belajar Python>
```

The status bar at the bottom shows the file is using Python 3.10.0 64-bit, with 6 lines and 1 column selected. A Windows activation watermark is visible in the bottom right corner.

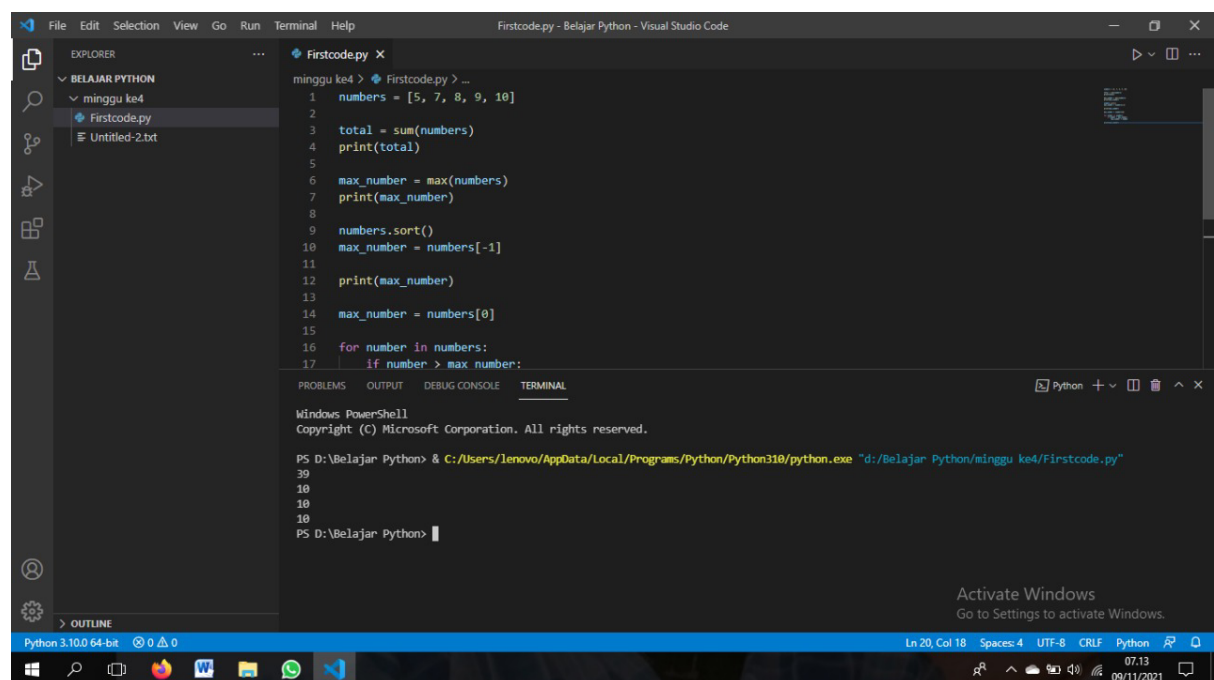
4. Menjumlahkan List

```
333
334 #PENJUMLAHAN LIST
335 contoh = [3, 7, 9, 2, 8] #semua angka didalam list akan dijumlahkan
336 angka_awal = 0
337 for angka in contoh: #menggunakan perulangan for
338     angka_awal += angka
339 print(angka_awal)
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

```
PS C:\python> & C:/Users/Admin/AppData/Local/Programs/Python/Python310/python.exe "c:\python/# PROGRAM PERTAMA DI PYTHON.py"
29
PS C:\python> █
```

5. Mencari angka max



The screenshot shows the Visual Studio Code interface with a Python file named 'Firstcode.py' open. The code defines a list 'numbers' and uses several methods to find the maximum value: 'max()', 'sort()', and indexing. The terminal at the bottom shows the command to run the script, which outputs the number 10.

```
File Edit Selection View Go Run Terminal Help Firstcode.py - Belajar Python - Visual Studio Code
```

EXPLORER

- BELAJAR PYTHON
 - minggu ke4
 - Firstcode.py
 - Untitled-2.txt

```
1 numbers = [5, 7, 8, 9, 10]
2
3 total = sum(numbers)
4 print(total)
5
6 max_number = max(numbers)
7 print(max_number)
8
9 numbers.sort()
10 max_number = numbers[-1]
11
12 print(max_number)
13
14 max_number = numbers[0]
15
16 for number in numbers:
17     if number > max_number:
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

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

PS D:\Belajar Python> & C:/Users/lenovo/AppData/Local/Programs/Python/Python310/python.exe "d:/Belajar Python/minggu ke4/Firstcode.py"
39
10
10
10
PS D:\Belajar Python> █
```

Python 3.10.0 64-bit

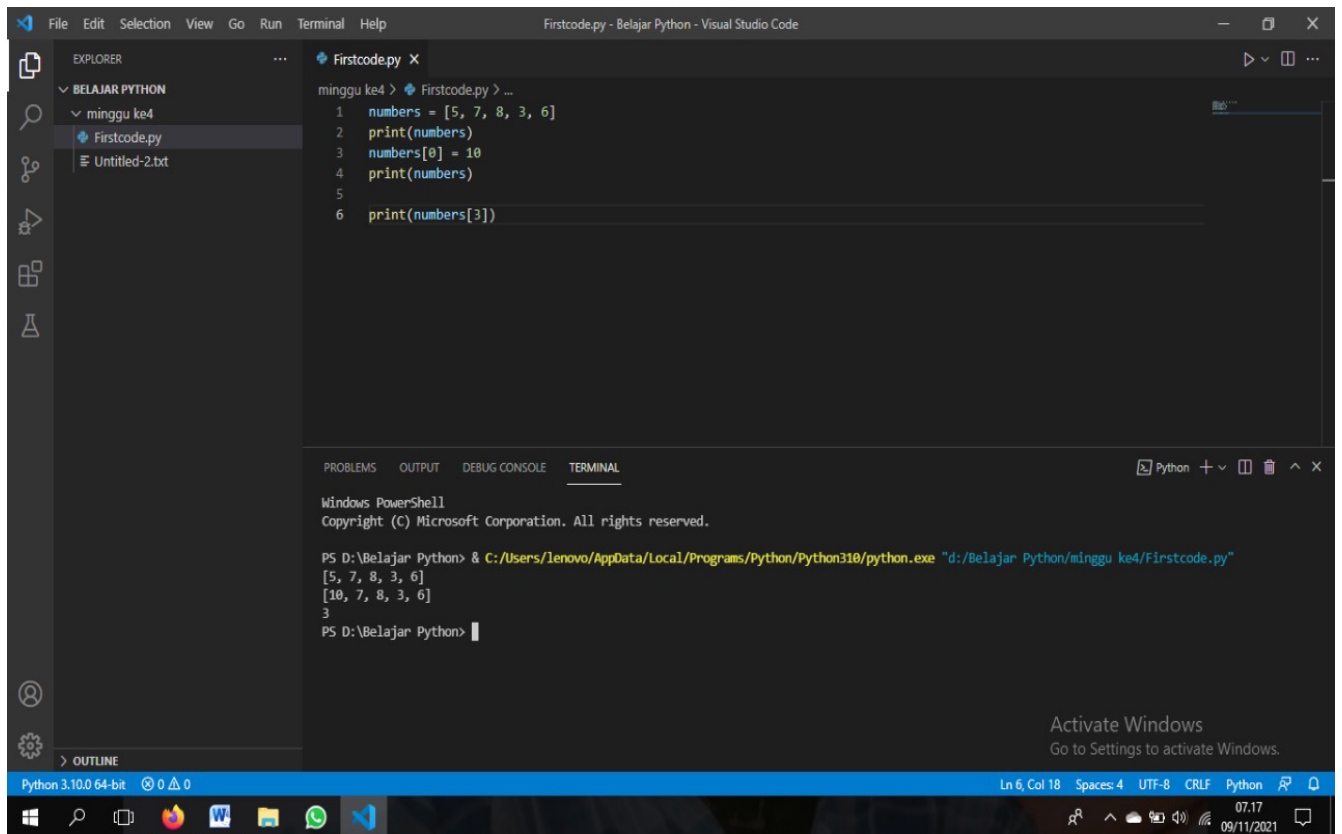
Ln 20, Col 18 Spaces: 4 UTF-8 CRLF Python

07:13 09/11/2021

Activate Windows
Go to Settings to activate Windows.



6.Tuple



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

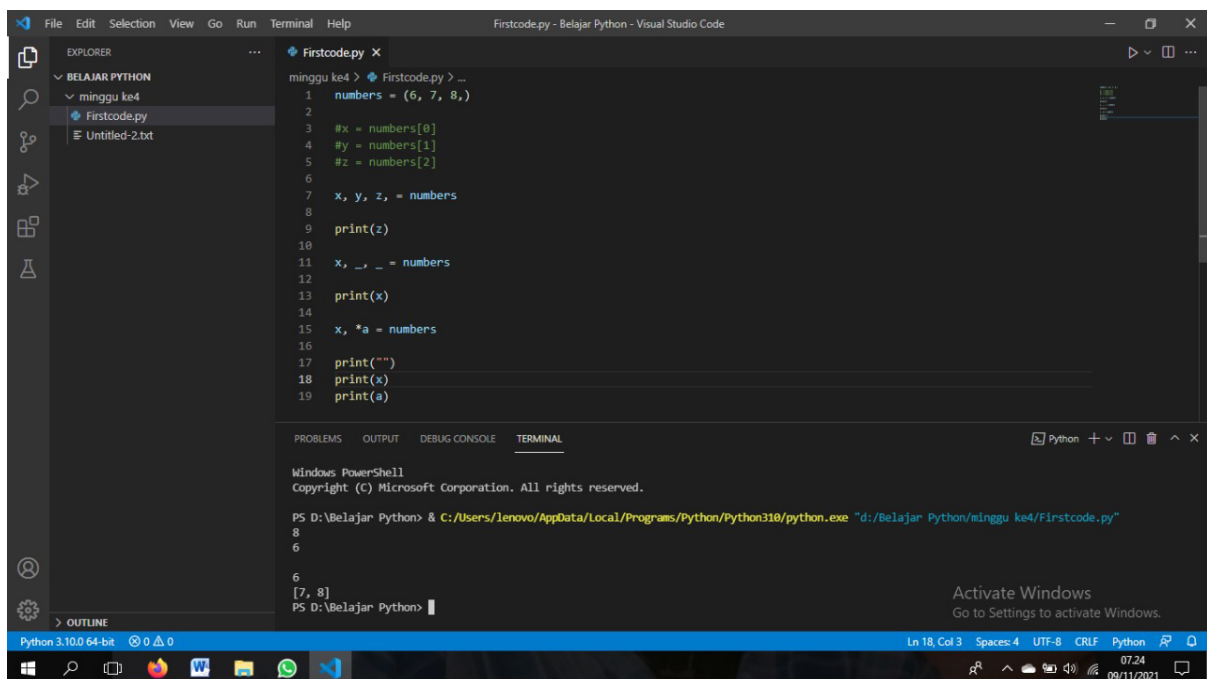
```
1 numbers = [5, 7, 8, 3, 6]
2 print(numbers)
3 numbers[0] = 10
4 print(numbers)
5
6 print(numbers[3])
```

The terminal window shows the execution of the script using the command `PS D:\Belajar Python> & C:/Users/lenovo/AppData/Local/Programs/Python/Python310/python.exe "d:/Belajar Python/minggu ke4/Firstcode.py"`. The output of the script is:

```
[5, 7, 8, 3, 6]
[10, 7, 8, 3, 6]
3
```

The status bar at the bottom indicates the file is encoded in UTF-8 with CRLF line endings, and the Python interpreter is set to Python 3.10.0 64-bit.

7.Unpack



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

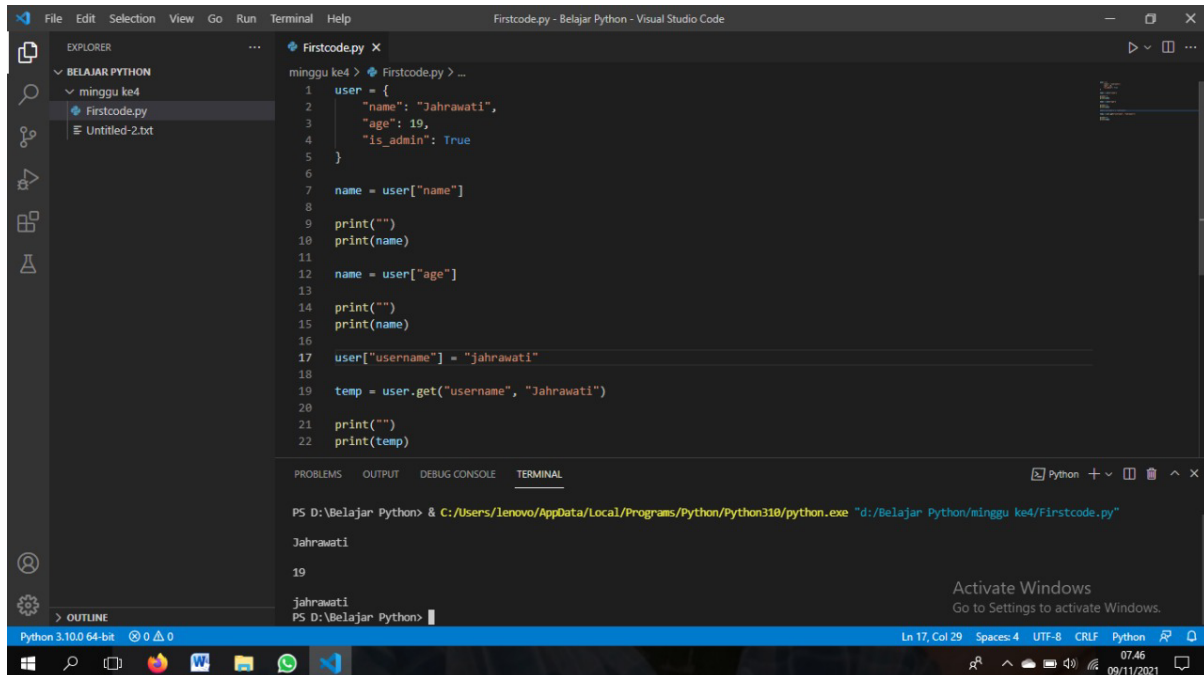
```
1 numbers = (6, 7, 8,)
2
3 #x = numbers[0]
4 #y = numbers[1]
5 #z = numbers[2]
6
7 x, y, z, = numbers
8
9 print(z)
10
11 x, _, _ = numbers
12
13 print(x)
14
15 x, *a = numbers
16
17 print("")
18 print(x)
19 print(a)
```

The terminal window shows the execution of the script using the command `PS D:\Belajar Python> & C:/Users/lenovo/AppData/Local/Programs/Python/Python310/python.exe "d:/Belajar Python/minggu ke4/Firstcode.py"`. The output of the script is:

```
6
7
[7, 8]
```

The status bar at the bottom indicates the file is encoded in UTF-8 with CRLF line endings, and the Python interpreter is set to Python 3.10.0 64-bit.

8.Dictionary



The screenshot shows the Visual Studio Code interface with a Python file named `Firstcode.py` open. The file is located in the `minggu ke4` folder under the `BELAJAR PYTHON` workspace. The code in the file is as follows:

```
1 user = {  
2     "name": "Jahrawati",  
3     "age": 19,  
4     "is_admin": True  
5 }  
6  
7 name = user["name"]  
8  
9 print("")  
10 print(name)  
11  
12 name = user["age"]  
13  
14 print("")  
15 print(name)  
16  
17 user["username"] = "jahrawati"  
18  
19 temp = user.get("username", "Jahrawati")  
20  
21 print("")  
22 print(temp)
```

The terminal at the bottom shows the command prompt output for the script execution:

```
PS D:\Belajar Python> & C:/Users/lenovo/AppData/Local/Programs/Python/Python310/python.exe "d:/Belajar Python/minggu ke4/Firstcode.py"  
  
Jahrawati  
  
19  
  
jahrawati  
PS D:\Belajar Python>
```

The status bar at the bottom indicates the file is using Python 3.10.0 64-bit, with 4 spaces, UTF-8 encoding, and CRLF line endings. The system clock shows 07:46 on 09/11/2021.

