

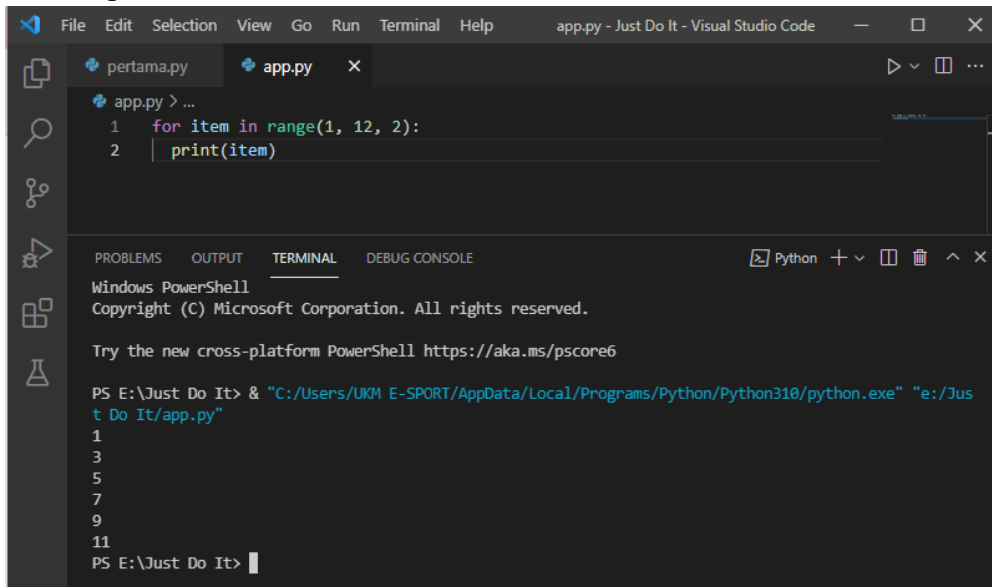
Nama : Arif Annursida

Kelas : AI-3B

NIM : 20.01.013.045

4. python-4

1. Perulangan For



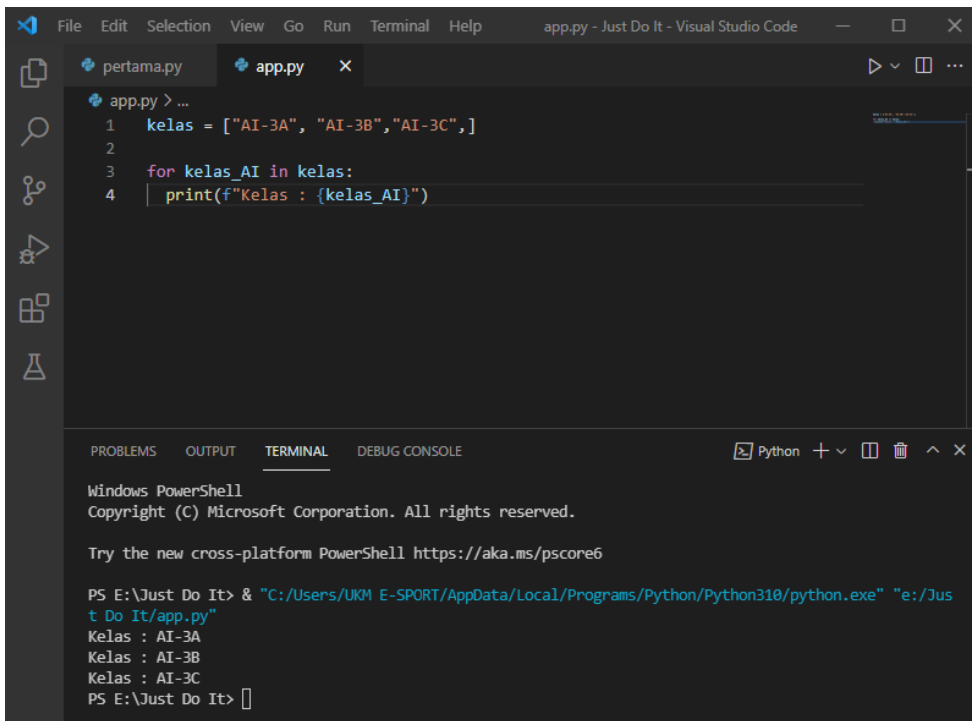
The screenshot shows the Visual Studio Code interface with a file named `app.py` open. The code in the editor is:

```
1 for item in range(1, 12, 2):
2     print(item)
```

The terminal at the bottom shows the command to run the script and its output:

```
PS E:\Just Do It> & "C:/Users/UKM E-SPORT/AppData/Local/Programs/Python/Python310/python.exe" "e:/Just Do It/app.py"
1
3
5
7
9
11
PS E:\Just Do It>
```

2. List



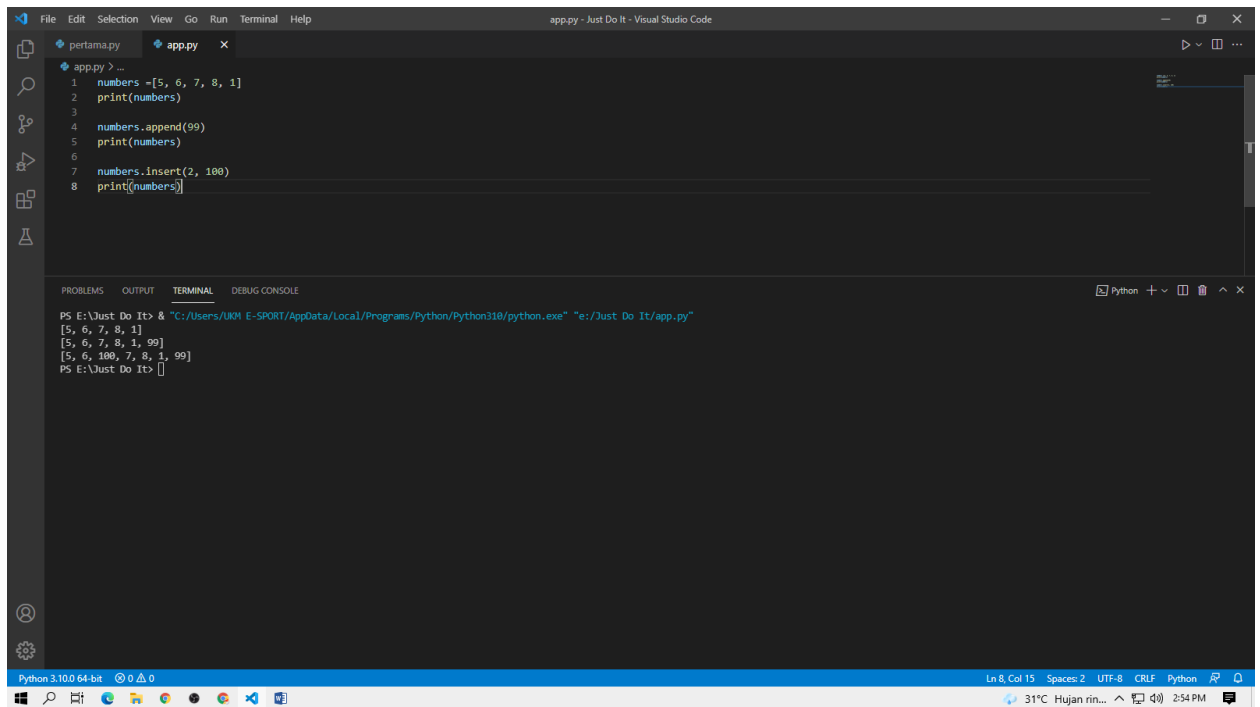
The screenshot shows the Visual Studio Code interface with a file named `app.py` open. The code in the editor is:

```
1 kelas = ["AI-3A", "AI-3B", "AI-3C",]
2
3 for kelas_AI in kelas:
4     print(f"Kelas : {kelas_AI}")
```

The terminal at the bottom shows the command to run the script and its output:

```
PS E:\Just Do It> & "C:/Users/UKM E-SPORT/AppData/Local/Programs/Python/Python310/python.exe" "e:/Just Do It/app.py"
Kelas : AI-3A
Kelas : AI-3B
Kelas : AI-3C
PS E:\Just Do It>
```

3. List Method



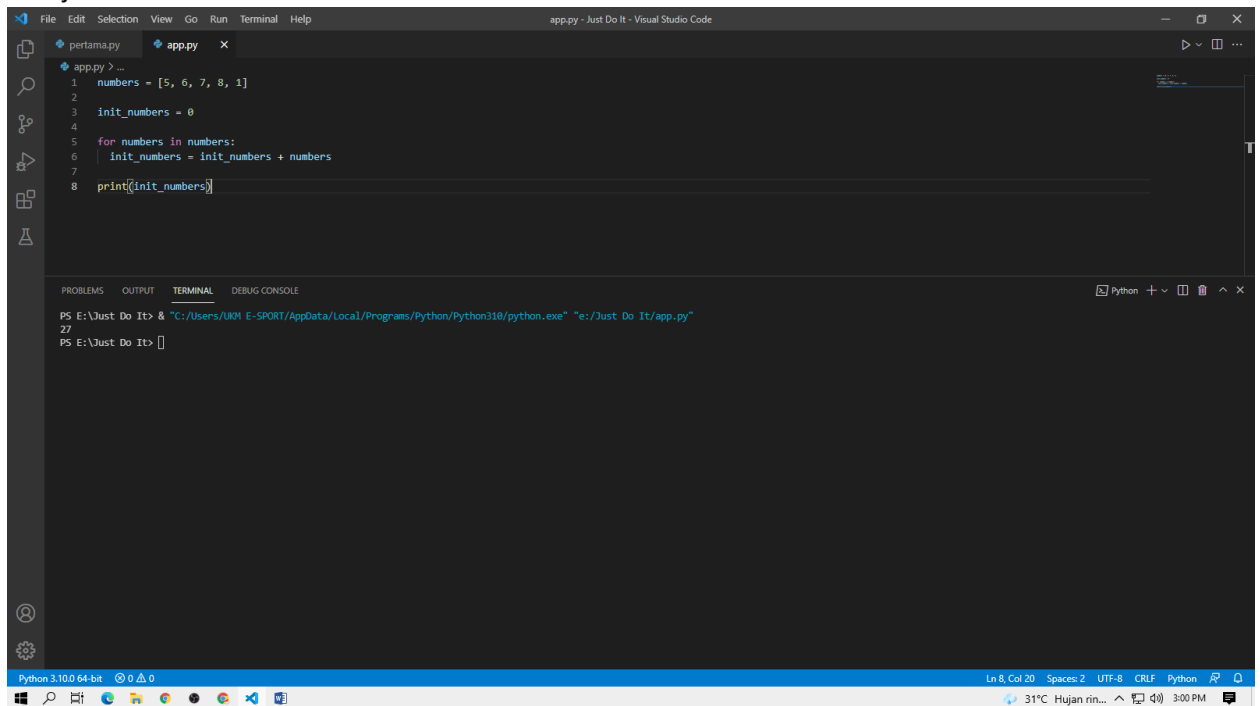
The screenshot shows the Visual Studio Code editor with a file named `app.py` open. The code in the editor is as follows:

```
1 numbers = [5, 6, 7, 8, 1]
2 print(numbers)
3
4 numbers.append(99)
5 print(numbers)
6
7 numbers.insert(2, 100)
8 print(numbers)
```

The terminal window at the bottom shows the output of running the script:

```
PS E:\Just Do It> & "C:/Users/UKM E-SPORT/AppData/Local/Programs/Python/Python310/python.exe" "e:/Just Do It/app.py"
[5, 6, 7, 8, 1]
[5, 6, 7, 8, 1, 99]
[5, 6, 100, 7, 8, 1, 99]
PS E:\Just Do It>
```

4. Menjumlahkan List



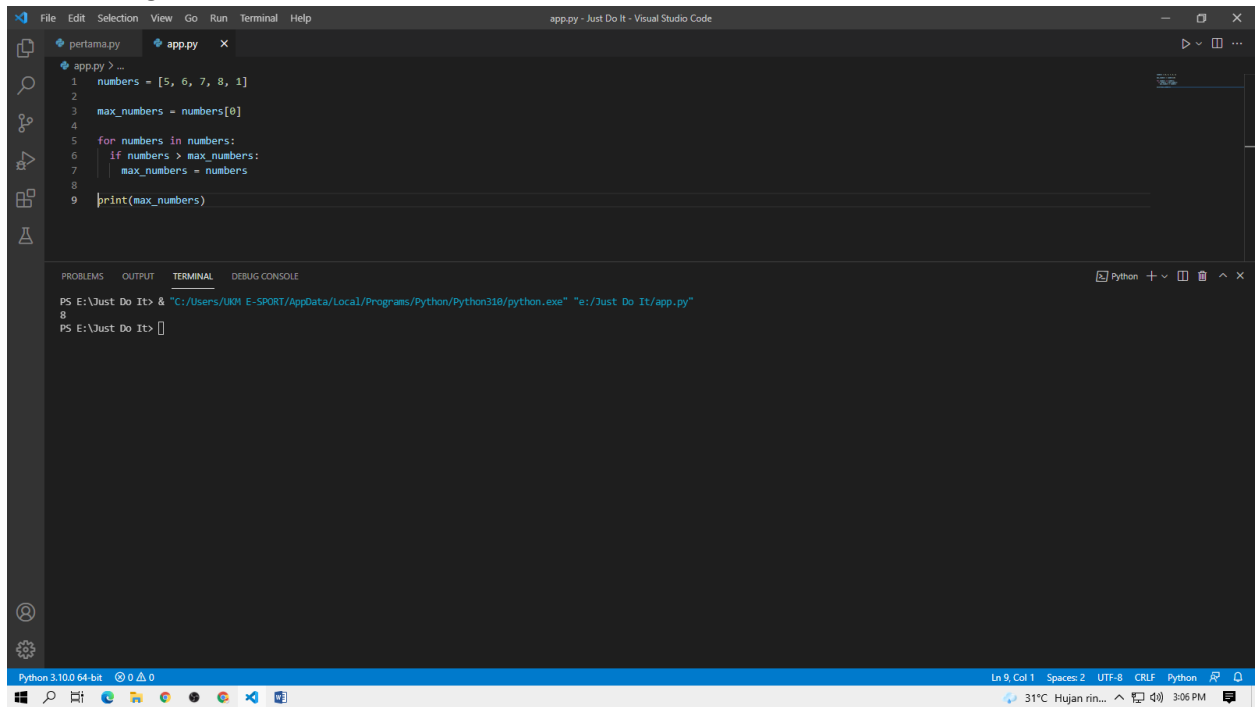
The screenshot shows the Visual Studio Code editor with a file named `app.py` open. The code in the editor is as follows:

```
1 numbers = [5, 6, 7, 8, 1]
2 init_numbers = 0
3
4 for numbers in numbers:
5     init_numbers = init_numbers + numbers
6
7 print(init_numbers)
```

The terminal window at the bottom shows the output of running the script:

```
PS E:\Just Do It> & "C:/Users/UKM E-SPORT/AppData/Local/Programs/Python/Python310/python.exe" "e:/Just Do It/app.py"
27
PS E:\Just Do It>
```

5. Mencari Angka Max



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

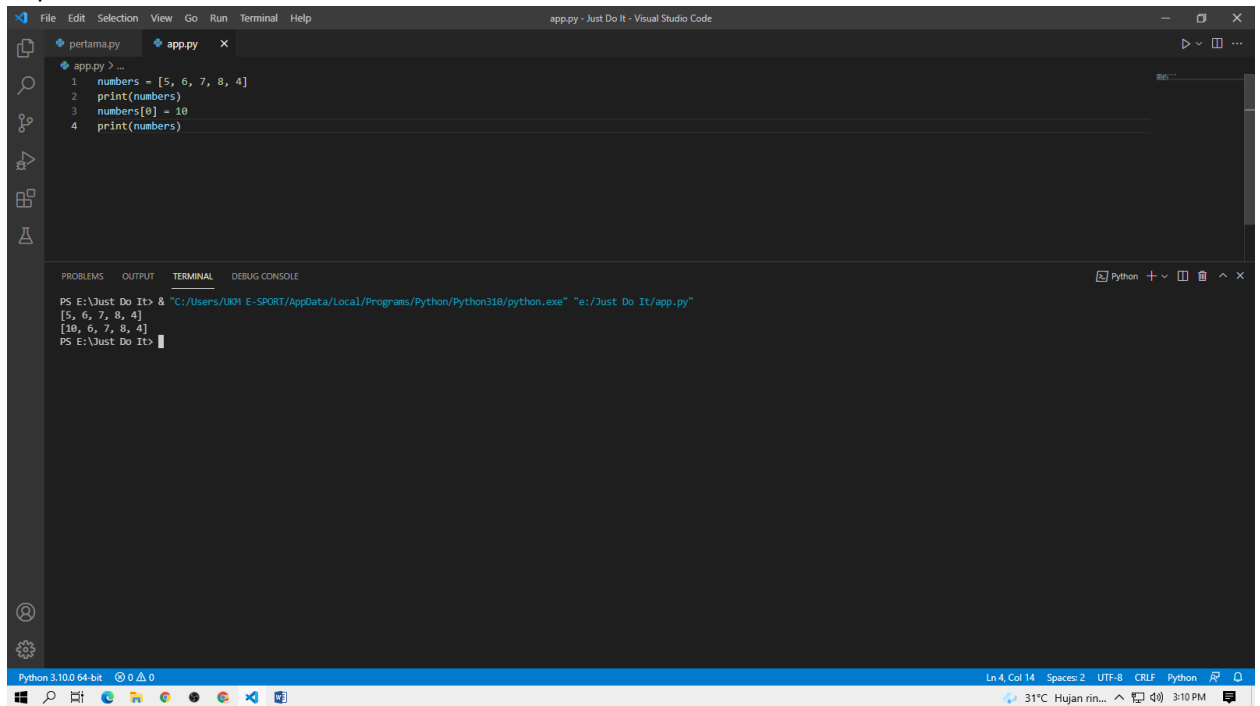
```
1 numbers = [5, 6, 7, 8, 1]
2
3 max_numbers = numbers[0]
4
5 for numbers in numbers:
6     if numbers > max_numbers:
7         max_numbers = numbers
8
9 print(max_numbers)
```

The terminal at the bottom shows the command to run the script and its output:

```
PS E:\Just Do It> "C:/Users/UMM E-SPORT/AppData/Local/Programs/Python/Python318/python.exe" "e:/Just Do It/app.py"
8
PS E:\Just Do It>
```

The status bar at the bottom indicates the file is at line 9, column 1, with 2 spaces, UTF-8 encoding, and CRLF line endings. The system tray shows a temperature of 31°C and the time 3:06 PM.

6. Tuple



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

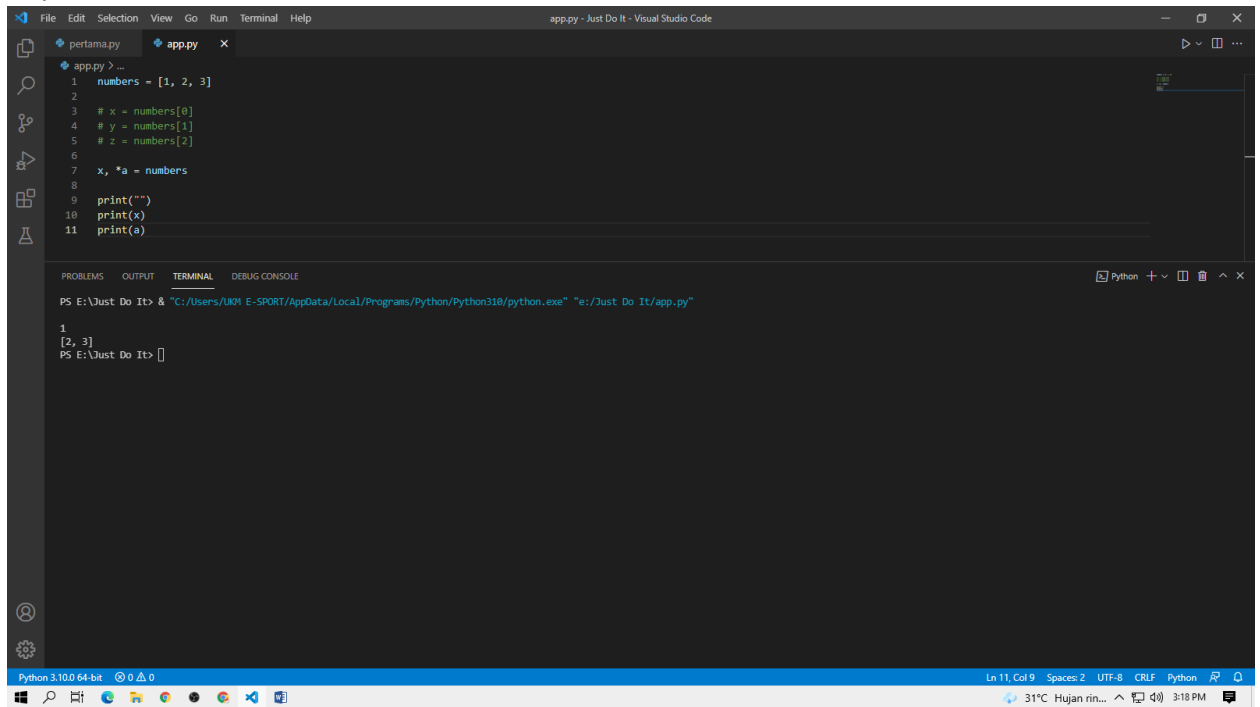
```
1 numbers = [5, 6, 7, 8, 4]
2 print(numbers)
3 numbers[0] = 10
4 print(numbers)
```

The terminal at the bottom shows the command to run the script and its output:

```
PS E:\Just Do It> "C:/Users/UMM E-SPORT/AppData/Local/Programs/Python/Python318/python.exe" "e:/Just Do It/app.py"
[5, 6, 7, 8, 4]
[10, 6, 7, 8, 4]
PS E:\Just Do It>
```

The status bar at the bottom indicates the file is at line 4, column 14, with 2 spaces, UTF-8 encoding, and CRLF line endings. The system tray shows a temperature of 31°C and the time 3:10 PM.

7. Unpack



```
File Edit Selection View Go Run Terminal Help
app.py - Just Do It - Visual Studio Code

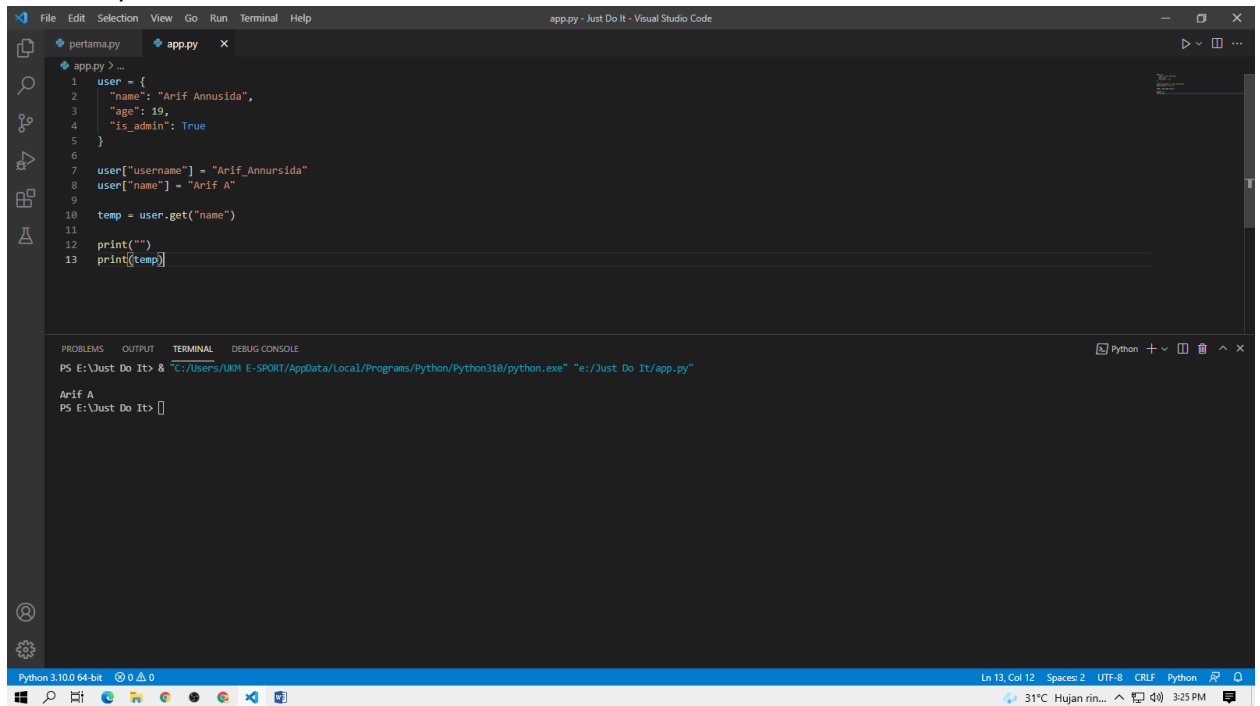
pertama.py app.py x
app.py > ...
1 numbers = [1, 2, 3]
2
3 # x = numbers[0]
4 # y = numbers[1]
5 # z = numbers[2]
6
7 x, *a = numbers
8
9 print("")
10 print(x)
11 print(a)

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
Python + - [] {} ^ x

PS E:\Just Do It> "C:/Users/UKH E-SPORT/AppData/Local/Programs/Python/Python310/python.exe" "e:/Just Do It/app.py"
1
[2, 3]
PS E:\Just Do It>

Python 3.10.0 64-bit 0 0 0
Ln 11, Col 9 Spaces: 2 UTF-8 CRLF Python
```

8. Dictionary



```
File Edit Selection View Go Run Terminal Help
app.py - Just Do It - Visual Studio Code

pertama.py app.py x
app.py > ...
1 user = {
2     "name": "Arif Annursida",
3     "age": 19,
4     "is_admin": True
5 }
6
7 user["username"] = "Arif Annursida"
8 user["name"] = "Arif A"
9
10 temp = user.get("name")
11
12 print("")
13 print(temp)

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
Python + - [] {} ^ x

PS E:\Just Do It> "C:/Users/UKH E-SPORT/AppData/Local/Programs/Python/Python310/python.exe" "e:/Just Do It/app.py"
Arif A
PS E:\Just Do It>

Python 3.10.0 64-bit 0 0 0
Ln 13, Col 12 Spaces: 2 UTF-8 CRLF Python
```