

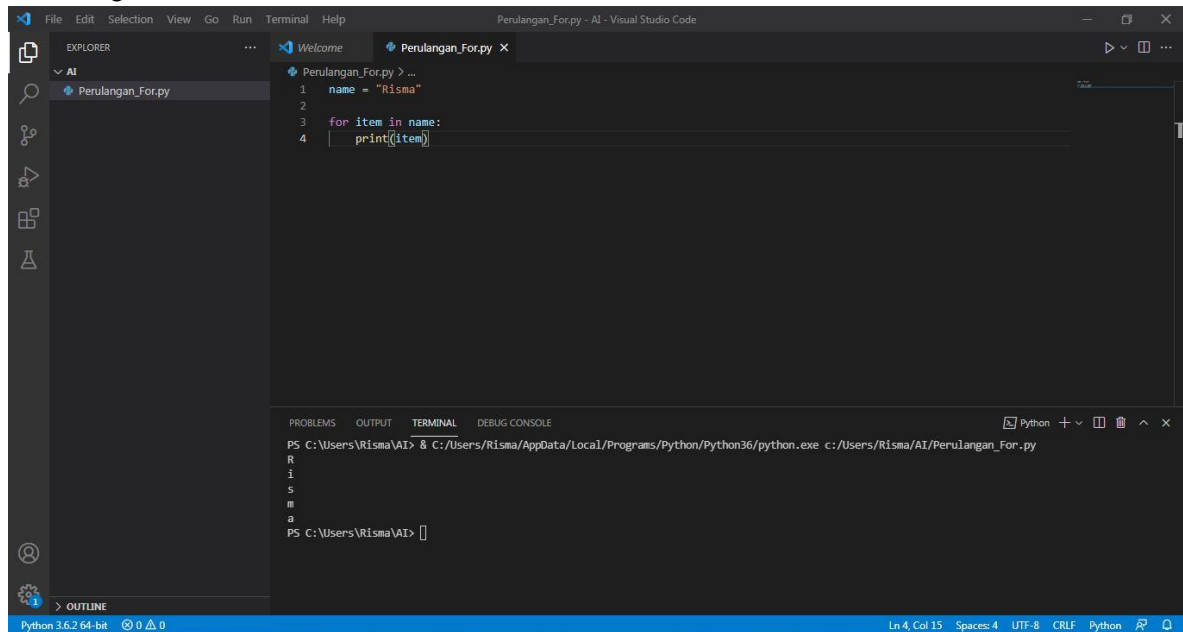
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NIM : 20.01.013.025

Kelas : Teknik Informatika A

Tugas python 4

1. Perulangan For



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

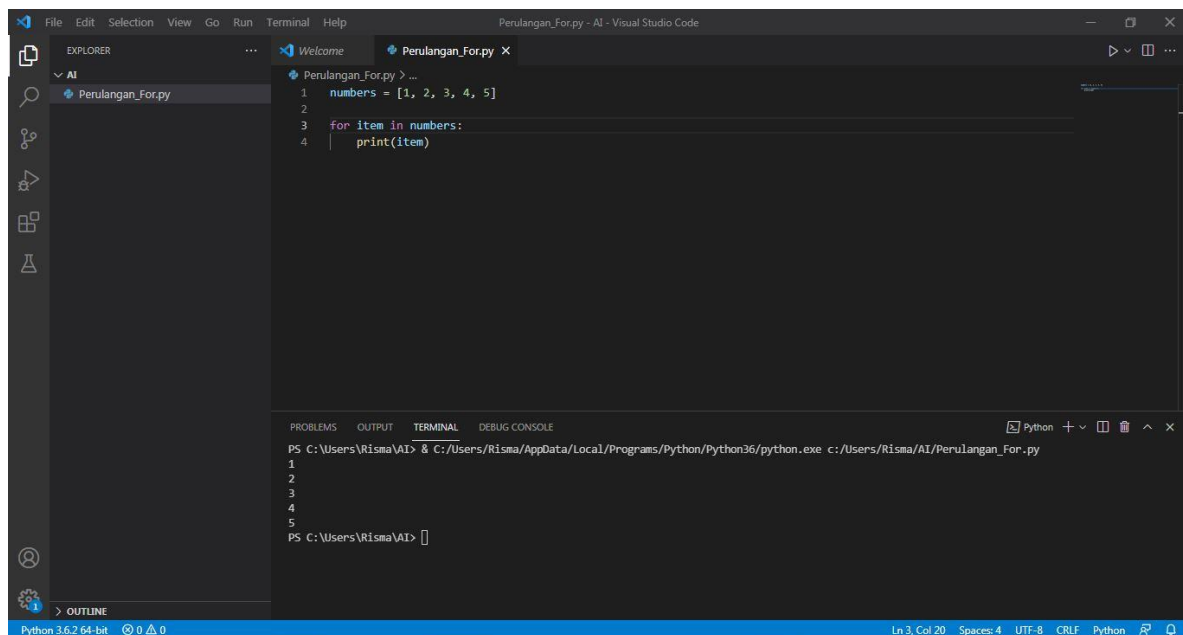
```
1 name = "Risma"
2
3 for item in name:
4     print(item)
```

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

```
PS C:\Users\Risma\AI> & C:/Users/Risma/AppData/Local/Programs/Python/Python36/python.exe c:/Users/Risma/AI/Perulangan_For.py
R
i
s
m
a
PS C:\Users\Risma\AI>
```

The status bar at the bottom indicates 'Python 3.6.2 64-bit' and 'Ln 4, Col 15'.

2. List



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

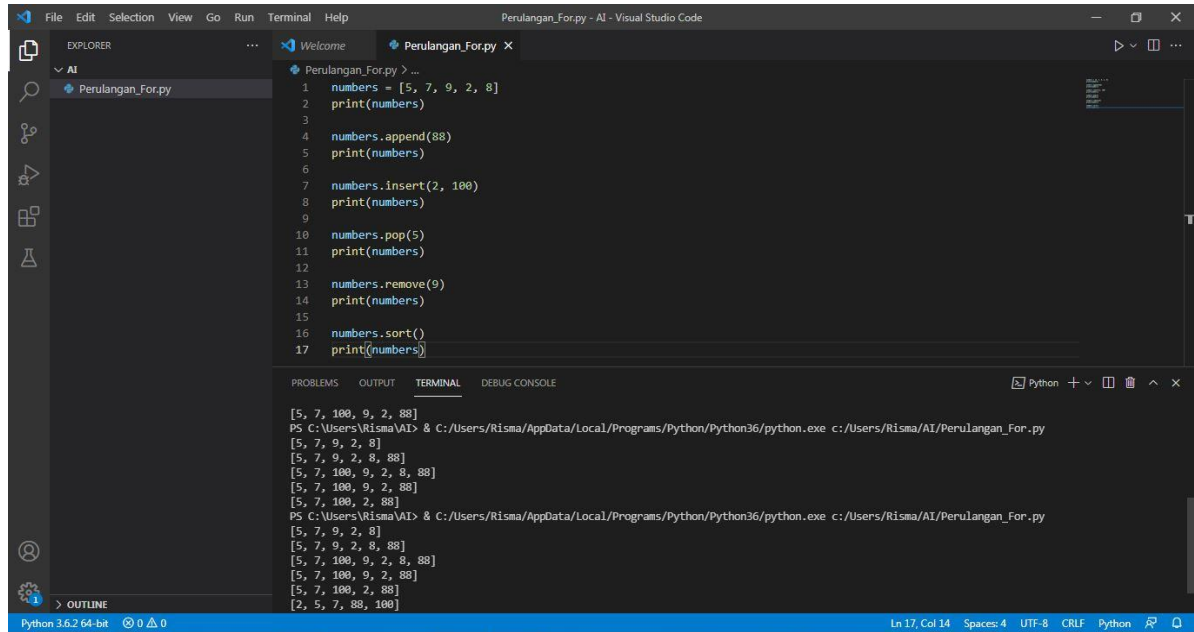
```
1 numbers = [1, 2, 3, 4, 5]
2
3 for item in numbers:
4     print(item)
```

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

```
PS C:\Users\Risma\AI> & C:/Users/Risma/AppData/Local/Programs/Python/Python36/python.exe c:/Users/Risma/AI/Perulangan_For.py
1
2
3
4
5
PS C:\Users\Risma\AI>
```

The status bar at the bottom indicates 'Python 3.6.2 64-bit' and 'Ln 3, Col 20'.

3. List Method



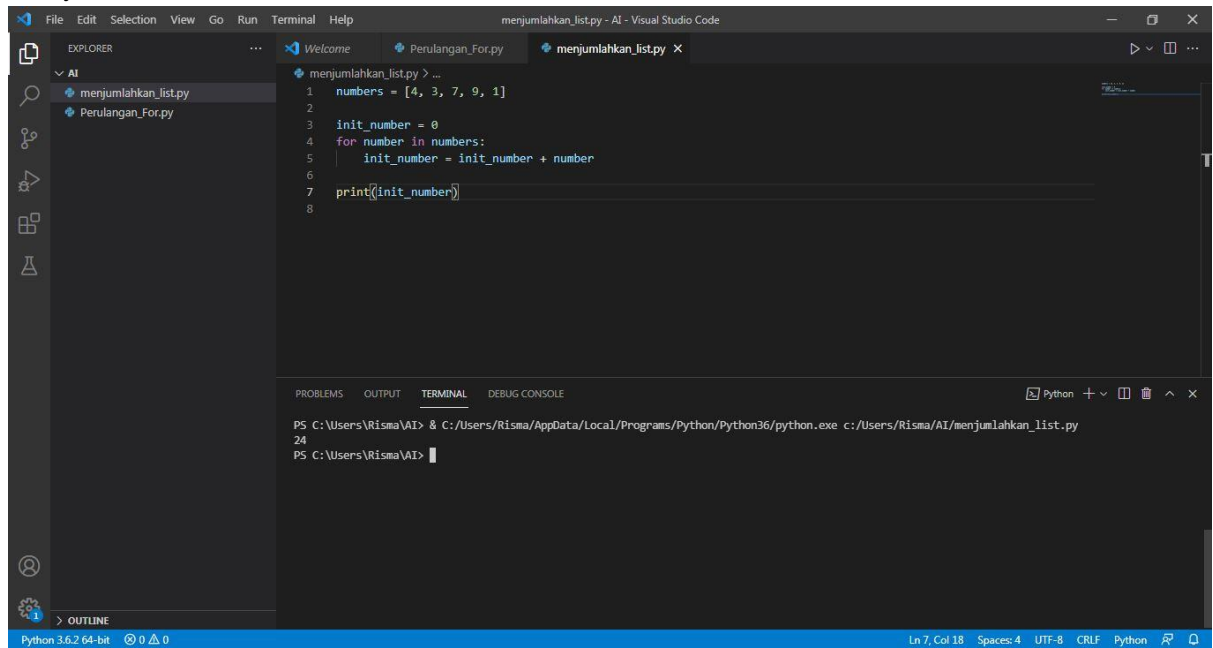
The screenshot shows a Visual Studio Code window with a file named `Perulangan_For.py`. The code in the editor is as follows:

```
1 numbers = [5, 7, 9, 2, 8]
2 print(numbers)
3
4 numbers.append(88)
5 print(numbers)
6
7 numbers.insert(2, 100)
8 print(numbers)
9
10 numbers.pop(5)
11 print(numbers)
12
13 numbers.remove(9)
14 print(numbers)
15
16 numbers.sort()
17 print(numbers)
```

The terminal output shows the execution of the script, displaying the state of the `numbers` list after each operation:

```
[5, 7, 100, 9, 2, 88]
PS C:\Users\Risma\AI> & C:/Users/Risma/AppData/Local/Programs/Python/Python36/python.exe c:/Users/Risma/Perulangan_For.py
[5, 7, 9, 2, 8]
[5, 7, 9, 2, 8, 88]
[5, 7, 100, 9, 2, 8, 88]
[5, 7, 100, 9, 2, 88]
[5, 7, 100, 2, 88]
PS C:\Users\Risma\AI> & C:/Users/Risma/AppData/Local/Programs/Python/Python36/python.exe c:/Users/Risma/Perulangan_For.py
[5, 7, 9, 2, 8]
[5, 7, 9, 2, 8, 88]
[5, 7, 100, 9, 2, 8, 88]
[5, 7, 100, 9, 2, 88]
[5, 7, 100, 2, 88]
[2, 5, 7, 88, 100]
```

4. Menjumlahkan List



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

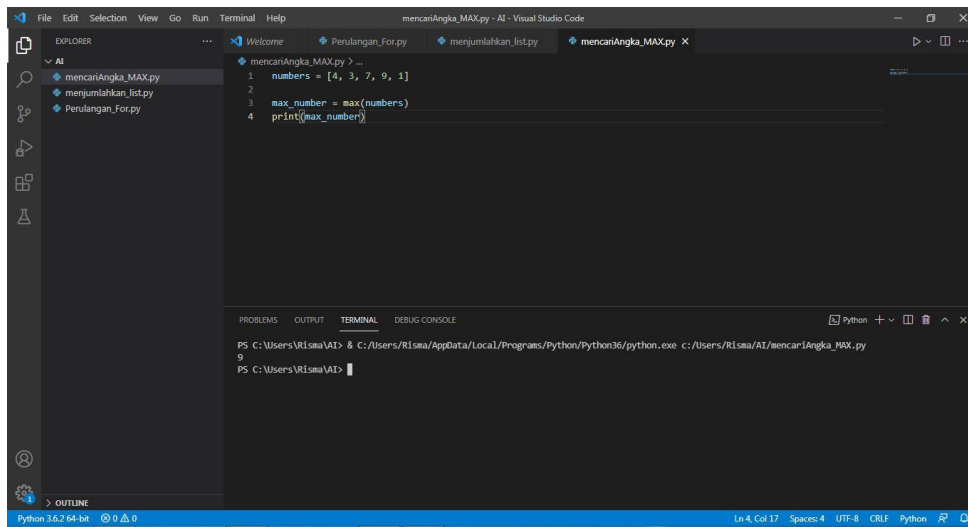
```
1 numbers = [4, 3, 7, 9, 1]
2
3 init_number = 0
4 for number in numbers:
5     init_number = init_number + number
6
7 print(init_number)
```

The terminal output shows the execution of the script, displaying the sum of the list elements:

```
PS C:\Users\Risma\AI> & C:/Users/Risma/AppData/Local/Programs/Python/Python36/python.exe c:/Users/Risma/menjumlahkan_list.py
24
PS C:\Users\Risma\AI>
```

5. Mencari Angka MAX

- Cara 1



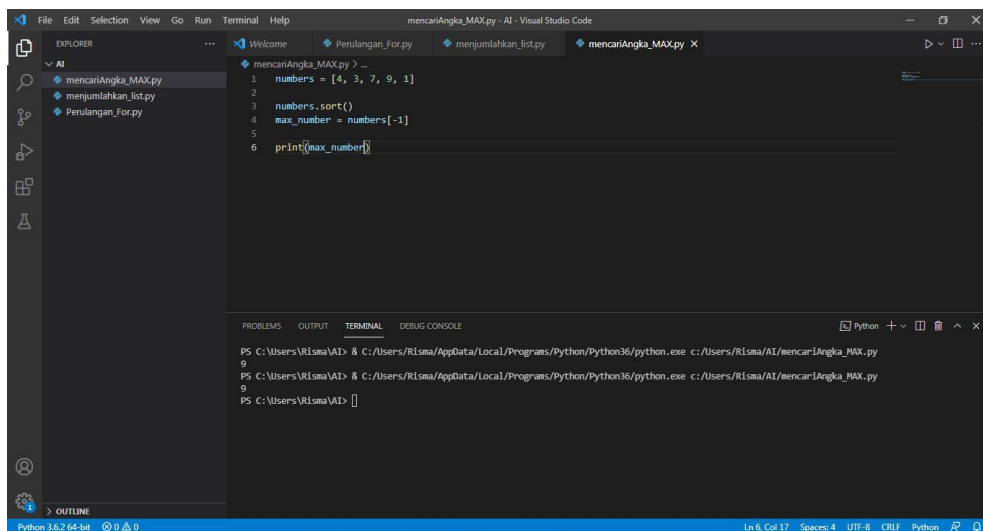
The screenshot shows the Visual Studio Code interface with the file explorer on the left displaying three files: `mencariAngka_MAX.py`, `menjumlahkan_list.py`, and `Perulangan_For.py`. The main editor window is open to `mencariAngka_MAX.py`, which contains the following Python code:

```
mencariAngka_MAX.py > ...
1 numbers = [4, 3, 7, 9, 1]
2
3 max_number = max(numbers)
4 print(max_number)
```

The bottom panel shows the terminal with the command `python.exe c:/Users/Risma/Al/mencariAngka_MAX.py` and its output:

```
PS C:\Users\Risma\AI> & C:\Users\Risma\AppData\Local\Programs\Python\Python36\python.exe c:/Users/Risma/Al/mencariAngka_MAX.py
9
PS C:\Users\Risma\AI>
```

- Cara 2



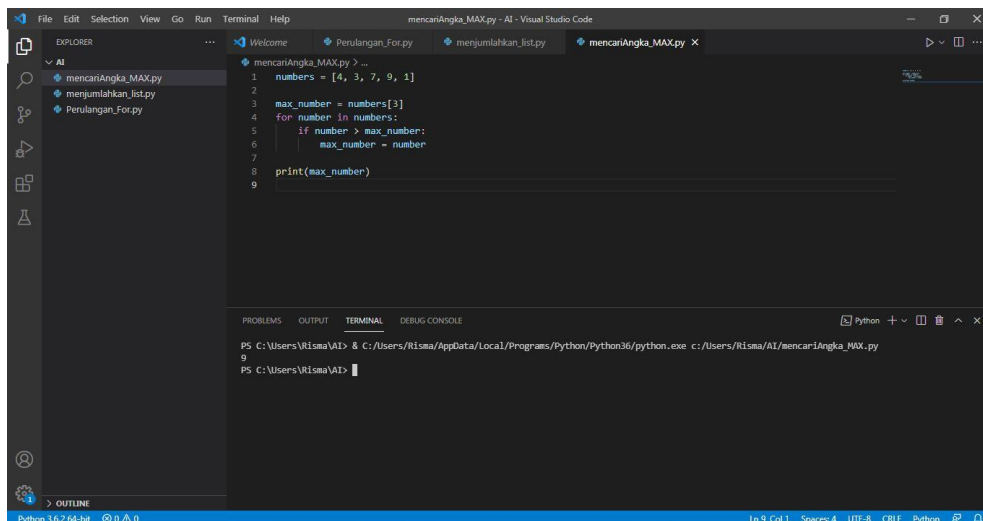
The screenshot shows the Visual Studio Code interface with the file explorer on the left displaying three files: `mencariAngka_MAX.py`, `menjumlahkan_list.py`, and `Perulangan_For.py`. The main editor window is open to `mencariAngka_MAX.py`, which contains the following Python code:

```
mencariAngka_MAX.py > ...
1 numbers = [4, 3, 7, 9, 1]
2
3 numbers.sort()
4 max_number = numbers[-1]
5
6 print(max_number)
```

The bottom panel shows the terminal with the command `python.exe c:/Users/Risma/Al/mencariAngka_MAX.py` and its output:

```
PS C:\Users\Risma\AI> & C:\Users\Risma\AppData\Local\Programs\Python\Python36\python.exe c:/Users/Risma/Al/mencariAngka_MAX.py
9
PS C:\Users\Risma\AI> & C:\Users\Risma\AppData\Local\Programs\Python\Python36\python.exe c:/Users/Risma/Al/mencariAngka_MAX.py
9
PS C:\Users\Risma\AI>
```

- Cara 3



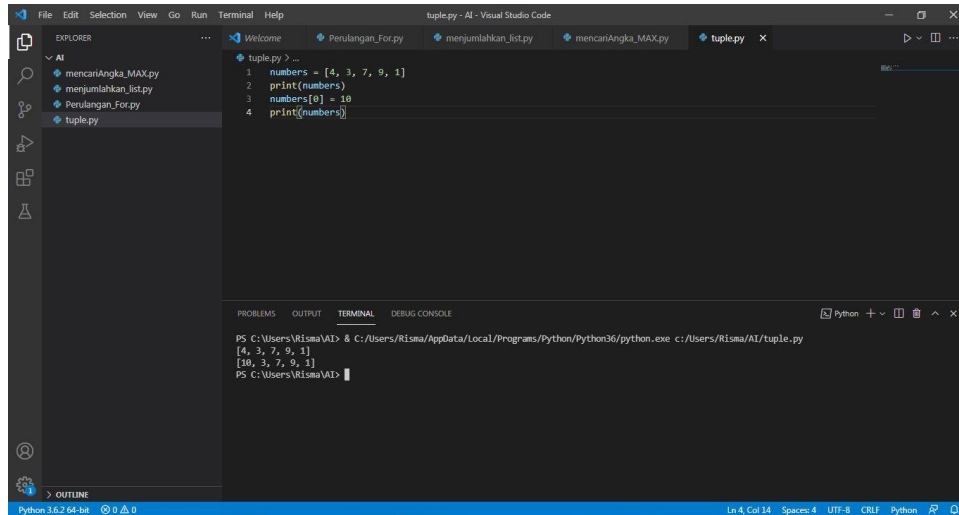
The screenshot shows the Visual Studio Code interface with the file explorer on the left displaying three files: `mencariAngka_MAX.py`, `menjumlahkan_list.py`, and `Perulangan_For.py`. The main editor window is open to `mencariAngka_MAX.py`, which contains the following Python code:

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

The bottom panel shows the terminal with the command `python.exe c:/Users/Risma/Al/mencariAngka_MAX.py` and its output:

```
PS C:\Users\Risma\AI> & C:\Users\Risma\AppData\Local\Programs\Python\Python36\python.exe c:/Users/Risma/Al/mencariAngka_MAX.py
9
PS C:\Users\Risma\AI>
```

6. Tuple



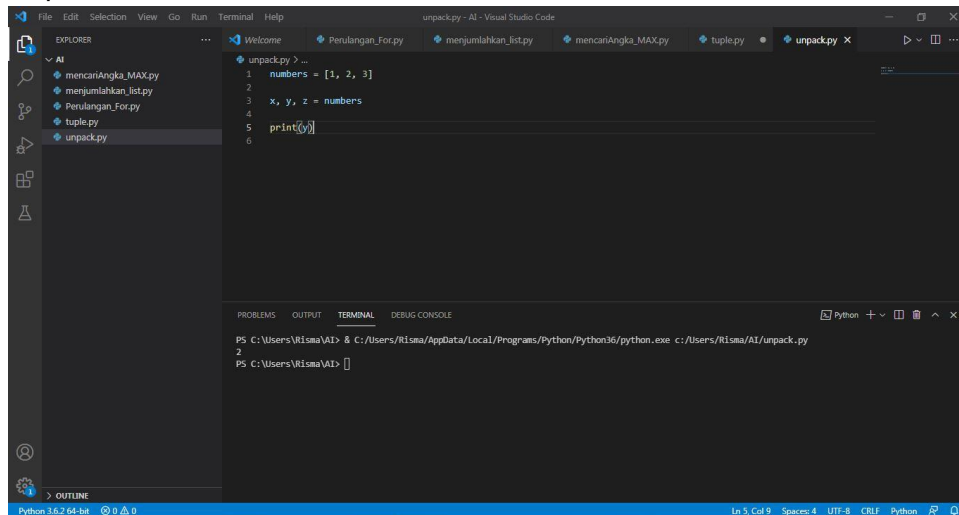
The screenshot shows the Visual Studio Code interface with a file explorer on the left containing several Python files. The main editor displays the content of `tuple.py`:

```
1 numbers = [4, 3, 7, 9, 1]
2 print(numbers)
3 numbers[0] = 10
4 print(numbers)
```

The terminal at the bottom shows the execution of the script:

```
PS C:\Users\Risma\AI> & C:/Users/Risma/AppData/Local/Programs/Python/Python36/python.exe c:/Users/Risma/AI/tuple.py
[4, 3, 7, 9, 1]
[10, 3, 7, 9, 1]
PS C:\Users\Risma\AI>
```

7. Unpack



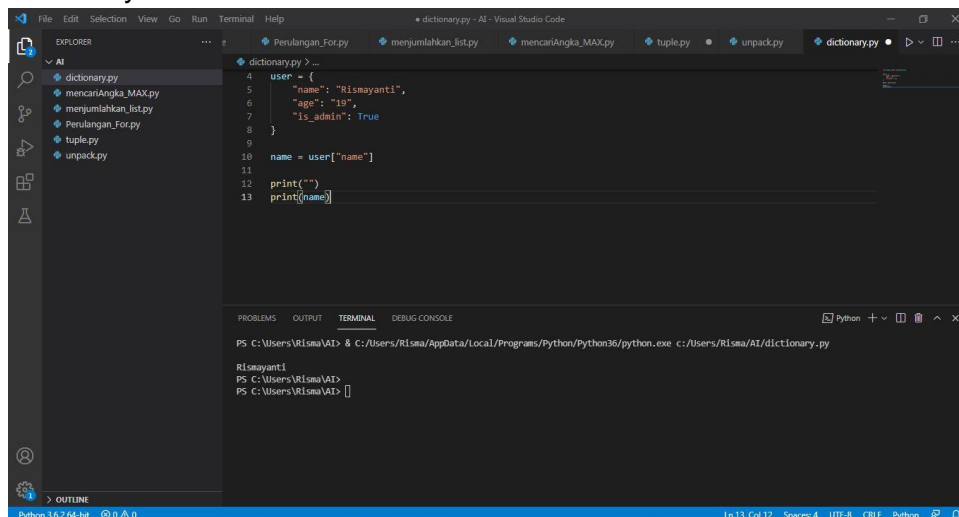
The screenshot shows the Visual Studio Code interface with a file explorer on the left. The main editor displays the content of `unpack.py`:

```
1 numbers = [1, 2, 3]
2
3 x, y, z = numbers
4
5 print(y)
6
```

The terminal at the bottom shows the execution of the script:

```
PS C:\Users\Risma\AI> & C:/Users/Risma/AppData/Local/Programs/Python/Python36/python.exe c:/Users/Risma/AI/unpack.py
2
PS C:\Users\Risma\AI>
```

8. Dictionary



The screenshot shows the Visual Studio Code interface with a file explorer on the left. The main editor displays the content of `dictionary.py`:

```
4 user = {
5     "name": "Rismayanti",
6     "age": "18",
7     "is_admin": True
8 }
9
10 name = user["name"]
11
12 print("")
13 print(name)
```

The terminal at the bottom shows the execution of the script:

```
PS C:\Users\Risma\AI> & C:/Users/Risma/AppData/Local/Programs/Python/Python36/python.exe c:/Users/Risma/AI/dictionary.py
Rismayanti
PS C:\Users\Risma\AI>
```