

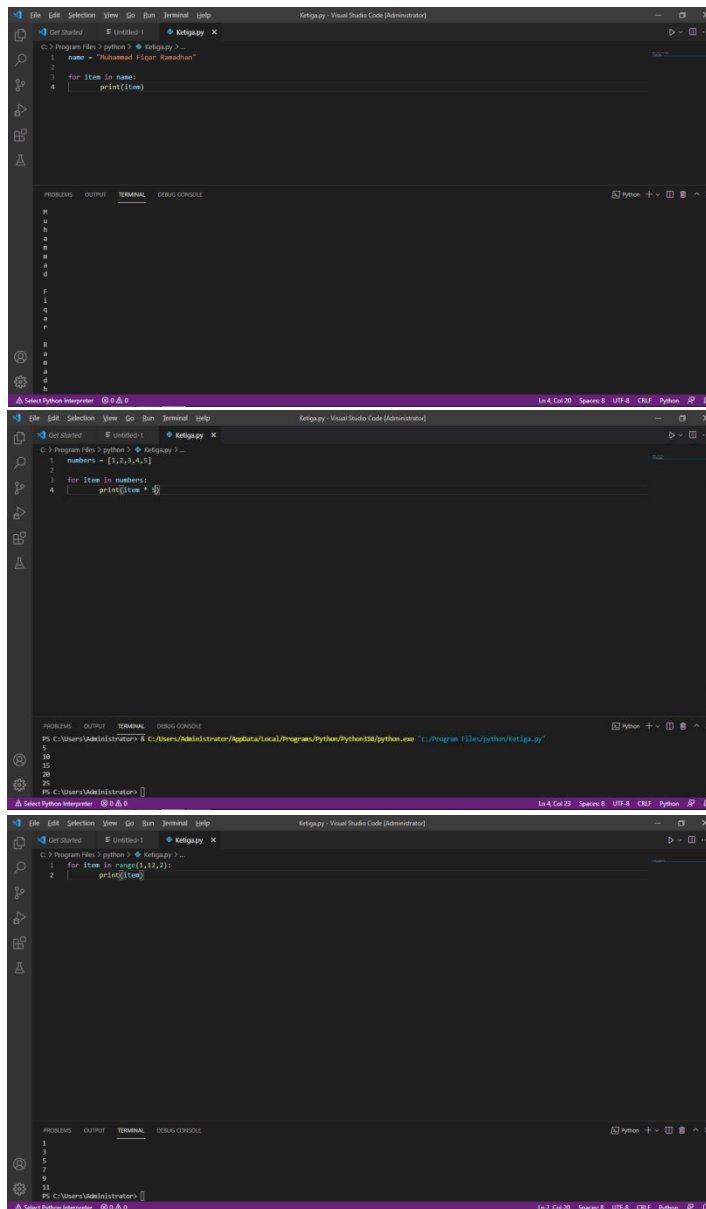
NAMA : MUHAMMAD FIQAR RAMADHAN

NIM : 20.01.013.034

KELAS : AI – B

## 4. Python-4

### 1. Perulangan For

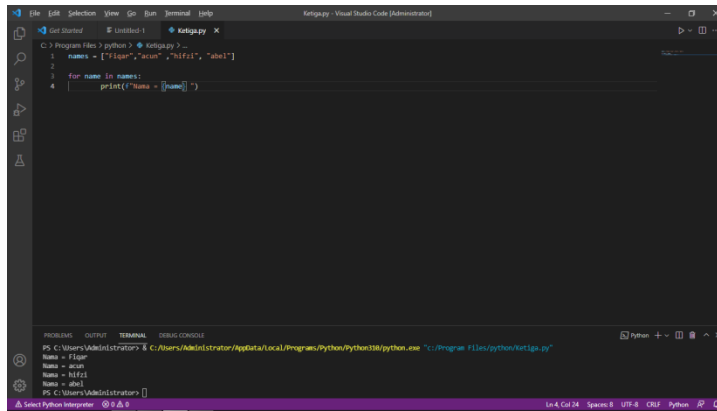


```
1 name = "Muhammad Fiqar Ramadhan"
2
3 for item in name:
4     print(item)
```

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

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

## 2. List

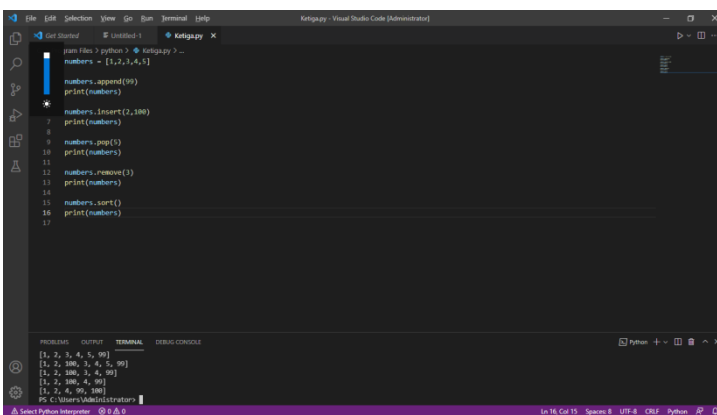


```
1 names = ["Fajar", "Ariqun", "Hifzil", "Abel"]
2
3 for name in names:
4     print("Nama = " + name)
```

Terminal Output:

```
PS C:\Users\Administrator> python3 kelist.py
Nama = Fajar
Nama = Ariqun
Nama = Hifzil
Nama = Abel
PS C:\Users\Administrator>
```

## 3. List Method



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

Terminal Output:

```
[1, 2, 3, 4, 5, 99]
[1, 2, 100, 3, 4, 5, 99]
[1, 2, 100, 3, 4, 99]
[1, 2, 100, 4, 99]
[1, 2, 4, 99, 100]
PS C:\Users\Administrator>
```

Append: Menambah nilai pada index.

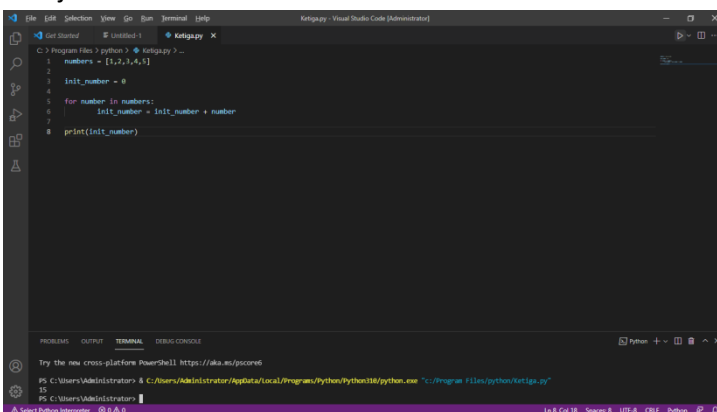
Insert : Memasukan nilai pada index sesuai dengan index yang si tentukan.

Pop : Menghapus nilai sesuai urutan index.

Remove : Menghapus nilai dengan cara langsung menuliskan nilai nya.

Sort : Mengurutkan nilai pada index dari yang terkecil ke yang terbesar.

## 4. Menjumlahkan List

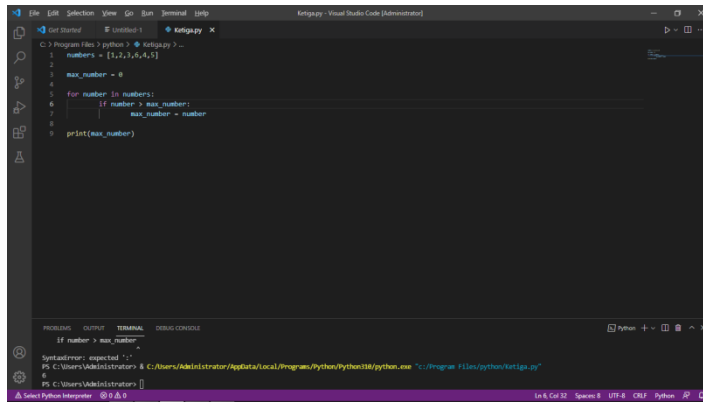


```
1 numbers = [1, 2, 3, 4, 5]
2
3 init_number = 0
4
5 for number in numbers:
6     init_number = init_number + number
7
8 print(init_number)
```

Terminal Output:

```
PS C:\Users\Administrator> python3 kelist.py
15
PS C:\Users\Administrator>
```

## 5. Mencari Nilai Max

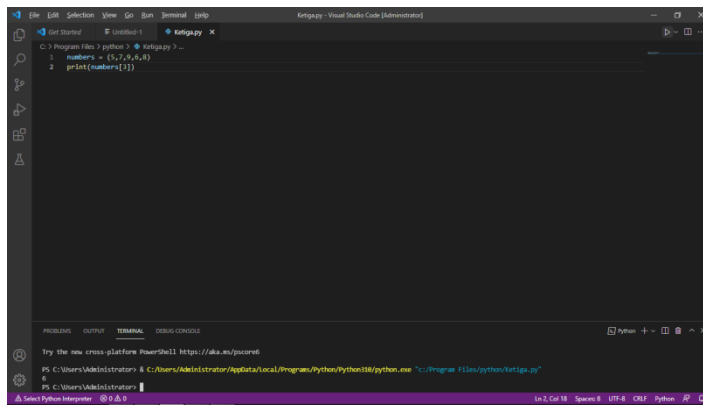


```
1 numbers = [1,2,3,4,5]
2
3 max_number = 0
4
5 for number in numbers:
6     if number > max_number:
7         max_number = number
8
9 print(max_number)
```

Terminal output:

```
PS C:\Users\Administrator> & C:\Users\Administrator\AppData\Local\Programs\Python\Python38\python.exe "%ProgramFiles%\python\Kotiga.py"
9
PS C:\Users\Administrator>
```

## 6. Tuple



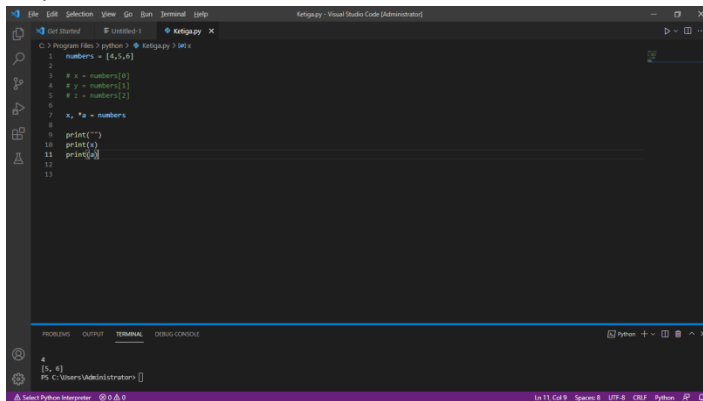
```
1 numbers = (5,7,8,9,6)
2 print(numbers[1])
```

Terminal output:

```
PS C:\Users\Administrator> & C:\Users\Administrator\AppData\Local\Programs\Python\Python38\python.exe "%ProgramFiles%\python\Kotiga.py"
2
PS C:\Users\Administrator>
```

Tuple = Nilai di dalam index tidak bias di rubah tidak seoerti list method

## 7. Unpack

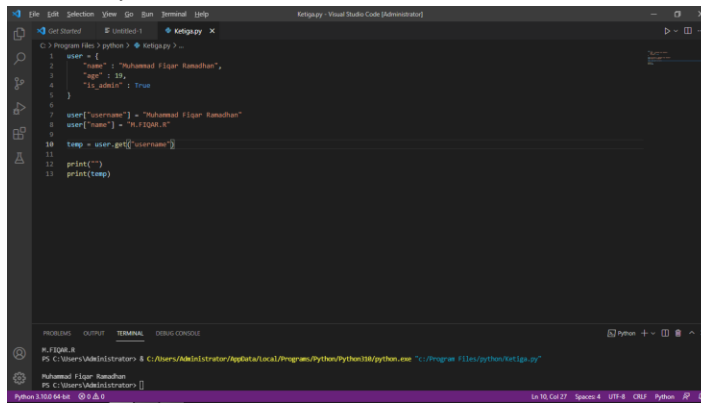


```
1 numbers = (4,5,6)
2
3 x = numbers[0]
4 y = numbers[1]
5 z = numbers[2]
6
7 x, y, z = numbers
8
9 print('')
10 print(x)
11 print(y)
12
13
```

Terminal output:

```
4
5
PS C:\Users\Administrator>
```

## 8. Dictionary



The image shows a Visual Studio Code editor window with a Python file named 'kripay.py'. The code defines a dictionary 'user' with keys 'name', 'age', and 'is\_admin'. It then creates a variable 'username' with the value 'Muhammad Fajar Ramadhan', retrieves the value for 'name' using 'user.get()', and prints it. The terminal at the bottom shows the command 'python kripay.py' being executed, resulting in the output 'Muhammad Fajar Ramadhan'.

```
1 user = {  
2     "name": "Muhammad Fajar Ramadhan",  
3     "age": 19,  
4     "is_admin": True  
5 }  
6  
7 user["username"] = "Muhammad Fajar Ramadhan"  
8 user["name"] = "Muhammad Fajar"  
9  
10  
11 temp = user.get("username")  
12  
13 print(temp)  
14
```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

Python

Python 3.10.4 Shell

Python 3.10.4 Shell