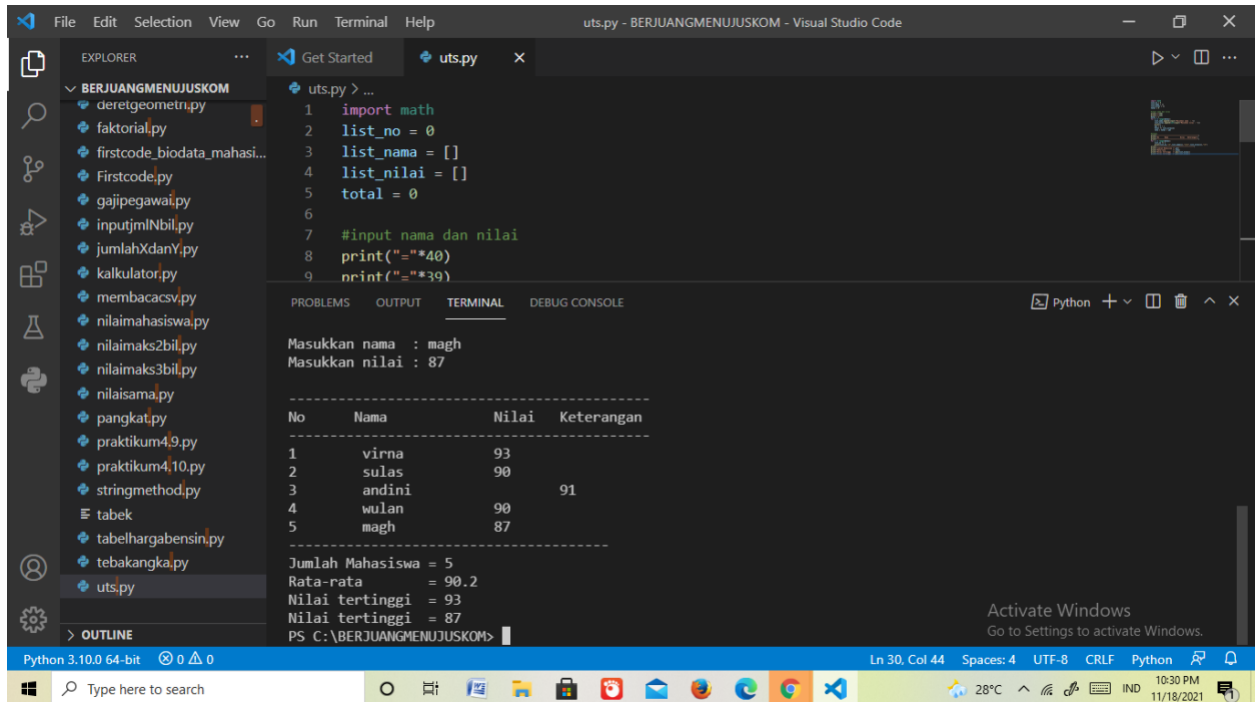


Nama : virna febri andini

Nim : 20. 01.013.017

Kelas : kecerdasan buatan B

## 1. Membuat program data mahasiswa, yang meliputi nama dan rata rata nilai



```
1 import math
2 list_no = 0
3 list_nama = []
4 list_nilai = []
5 total = 0
6
7 #input nama dan nilai
8 print("=="*40)
9 print("=="*39)
```

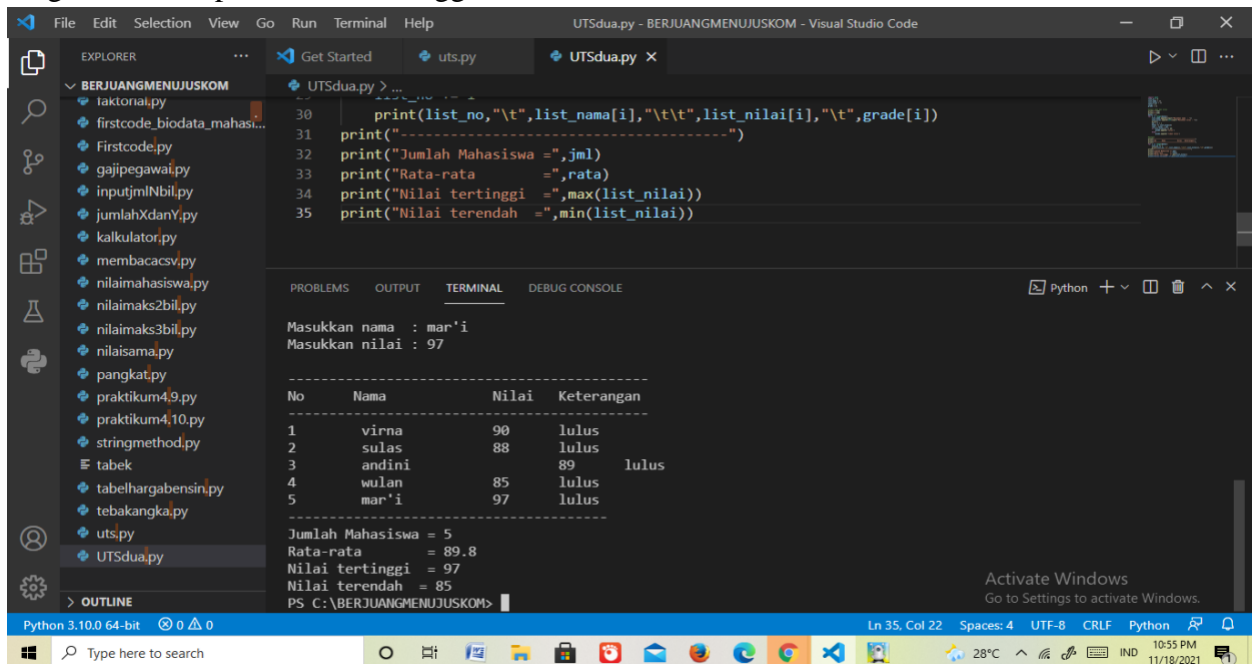
Masukkan nama : magh  
Masukkan nilai : 87

No	Nama	Nilai	Keterangan
1	virna	93	
2	sulas	90	
3	andini		91
4	wulan	90	
5	magh	87	

Jumlah Mahasiswa = 5  
Rata-rata = 90.2  
Nilai tertinggi = 93  
Nilai tertinggi = 87

PS C:\BERJUANGMENUJUSKOM>

## 2. Program menampilkan nilai tertinggi dan terendah



```
30 print(list_no,"\\t",list_nama[i],"\\t\\t",list_nilai[i],"\\t",grade[i])
31 print("-----")
32 print("Jumlah Mahasiswa =",jml)
33 print("Rata-rata =",rata)
34 print("Nilai tertinggi =",max(list_nilai))
35 print("Nilai terendah =",min(list_nilai))
```

Masukkan nama : mar'i  
Masukkan nilai : 97

No	Nama	Nilai	Keterangan
1	virna	90	lulus
2	sulas	88	lulus
3	andini	89	lulus
4	wulan	85	lulus
5	mar'i	97	lulus

Jumlah Mahasiswa = 5  
Rata-rata = 89.8  
Nilai tertinggi = 97  
Nilai terendah = 85

PS C:\BERJUANGMENUJUSKOM>

5. program mencari nilai terbesar dari sekelompok bilangan

The screenshot shows the Visual Studio Code interface with a file explorer on the left containing a folder named 'BERJUANGMENUJUSKOM'. The main editor displays a file named 'UTSlima.py' with the following Python code:

```
1 a = int(input('masukkan nilai a : '))
2 b = int(input('masukkan nilai b : '))
3 c = int(input('masukkan nilai c : '))
4
5
6 if a > b and a > c :
7     print('yang terbesar',a)
8 elif b > a and b > c :
9     print('yang terbesar', b)
```

The terminal at the bottom shows the execution of the program in a Windows PowerShell environment. The user enters the values 5, 10, and 8 for variables a, b, and c respectively. The program outputs 'yang terbesar 10'.

```
PS C:\BERJUANGMENUJUSKOM> & C:/Users/ACER/AppData/Local/Programs/Python/Python310/python.exe c:/BERJUANGMENUJUSKOM/UTSlima.py
masukkan nilai a : 5
masukkan nilai b : 10
masukkan nilai c : 8
yang terbesar 10
PS C:\BERJUANGMENUJUSKOM>
```

7. program menampilkan bilangan berkelipatan 5

The screenshot shows the Visual Studio Code interface with a file explorer on the left containing a folder named 'BERJUANGMENUJUSKOM'. The main editor displays a file named 'UTStujuh.py' with the following Python code:

```
1 n = int(input("Masukkan nilai N :"))
2
3 for i in range(5, n+1):
4     for j in range(i+n):
5         print(i*j, end=" ")
6     print("")
```

The terminal at the bottom shows the execution of the program in a Windows PowerShell environment. The user enters the value 5 for variable N. The program outputs the sequence of numbers 0 5 10 15 20 25 30 35 40 45, which are the multiples of 5 up to 5\*9.

```
PS C:\BERJUANGMENUJUSKOM> & C:/Users/ACER/AppData/Local/Programs/Python/Python310/python.exe c:/BERJUANGMENUJUSKOM/UTStujuh.py
Masukkan nilai N : 5
0 5 10 15 20 25 30 35 40 45
PS C:\BERJUANGMENUJUSKOM>
```