

Nama : Andini Wulandari

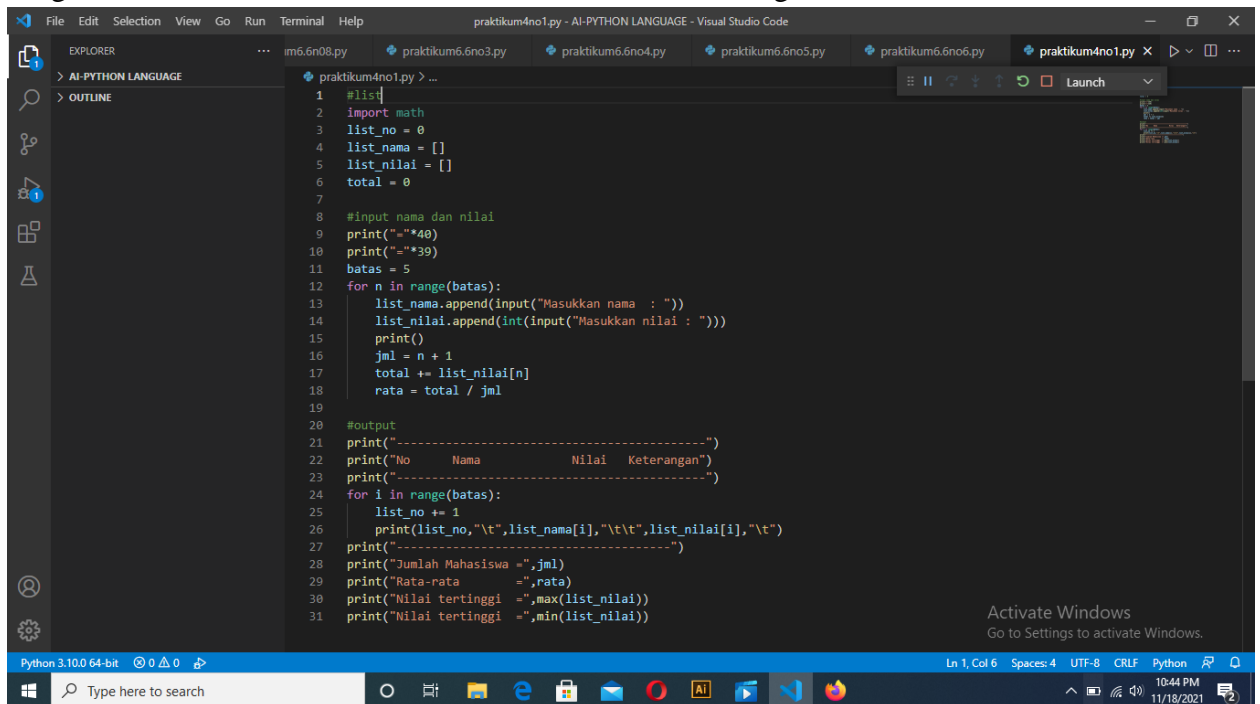
NIM : 20.01.013.020

Kelas : Teknik Informatika/3B

MK : Kecerdasan Buatan

PRAKTIKUM 4

1. Program untuk memasukkan nama dan nilai mahasiswa dengan memanfaatkan list



```
1 #list
2 import math
3 list_no = 0
4 list_nama = []
5 list_nilai = []
6 total = 0
7
8 #input nama dan nilai
9 print("="*40)
10 print("="*39)
11 batas = 5
12 for n in range(batas):
13     list_nama.append(input("Masukkan nama : "))
14     list_nilai.append(int(input("Masukkan nilai : ")))
15     print()
16     jml = n + 1
17     total += list_nilai[n]
18     rata = total / jml
19
20 #output
21 print("-----")
22 print("No      Nama      Nilai  Keterangan")
23 print("-----")
24 for i in range(batas):
25     list_no += 1
26     print(list_no, "\t", list_nama[i], "\t\t", list_nilai[i], "\t")
27 print("-----")
28 print("Jumlah Mahasiswa =", jml)
29 print("Rata-rata      =", rata)
30 print("Nilai tertinggi =", max(list_nilai))
31 print("Nilai tertinggi =", min(list_nilai))
```

```
praktikum4no1.py > ...
11 batas = 5

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\AI-PYTHON LANGUAGE> & 'C:\Users\USER\AppData\Local\Programs\Python\Python310\python.exe' 'c:\Users\USER\.vscode\extension
s\ms-python.python-2021.11.1422169775\pythonFiles\lib\python\debugpy\launcher' '65074' '--' 'c:\AI-PYTHON LANGUAGE\praktikum4no1
.py'

=====
Masukkan nama : Andini
Masukkan nilai : 85

Masukkan nama : wulan
Masukkan nilai : 85

Masukkan nama : virna
Masukkan nilai : 80

Masukkan nama : sulas
Masukkan nilai : 80

Masukkan nama : fadilah
Masukkan nilai : 90

-----
No      Nama      Nilai  Keterangan
-----
1       Andini      85
2       wulan       85
3       virna       80
4       sulas       80
5       fadilah     90
```

2. Menampilkan nilai tertinggi dan terendah

```
PRAKTIKUM4NO2.py > ...
2 import math
3 list_no = 0
4 list_nama = []
5 list_nilai = []
6 total = 0
7 grade = []
8
9 #input nama dan nilai
10 print("="*40)
11 print("="*39)
12 batas = 5
13 for n in range(batas):
14     list_nama.append(input("Masukkan nama : "))
15     list_nilai.append(int(input("Masukkan nilai : ")))
16     print()
17     jml = n + 1
18     total += list_nilai[n]
19     rata = total / jml
20     if list_nilai[n] >= 60:
21         grade.append('lulus')
22     else:
23         grade.append('tidak lulus')
24
25 #output
26 print("-----")
27 print("No      Nama      Nilai  Keterangan")
28 print("-----")
29 for i in range(batas):
30     list_no += 1
31     print(list_no, "\t", list_nama[i], "\t\t", list_nilai[i], "\t", grade[i])
32 print("-----")
33 print("Jumlah Mahasiswa =", jml)
34 print("Rata-rata      =", rata)
```

The screenshot shows a Visual Studio Code editor with a Python file named 'PRAKTIKUM4NO2.py'. The code is a Python script that takes student names and scores as input and outputs a table of results and summary statistics. The output is displayed in the terminal window.

```
=====
Masukkan nama : Andini
Masukkan nilai : 85

Masukkan nama : fadilah
Masukkan nilai : 70

Masukkan nama : aqilah
Masukkan nilai : 90

Masukkan nama : rizkia
Masukkan nilai : 80

Masukkan nama : ety
Masukkan nilai : 90

-----
No      Nama      Nilai  Keterangan
-----
1       Andini      85     lulus
2       fadilah      70     lulus
3       aqilah      90     lulus
4       rizkia      80     lulus
5       ety          90     lulus
-----

Jumlah Mahasiswa = 5
Rata-rata      = 83.0
Nilai tertinggi = 90
-----

No      Nama      Nilai  Keterangan
-----
1       Andini      85     lulus
2       fadilah      70     lulus
3       aqilah      90     lulus
4       rizkia      80     lulus
5       ety          90     lulus
-----

Jumlah Mahasiswa = 5
Rata-rata      = 83.0
Nilai tertinggi = 90
-----
```

3. Program yang dapat mnegolah niai dengan masukkan jumlah mahasiswa,nilai dan nilai akhir.

4. Outputnya

5. Outputnya

The screenshot shows the Visual Studio Code interface with a Python file named `praktikum4no5.py` open. The code is a simple program that takes three inputs and prints the largest one. The terminal at the bottom shows the execution of the script, with the output being "yang terbesar 6".

```
praktikum4no5.py > ...
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)
10 else :
11     print('yang terbesar', c)
```

Windows PowerShell
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PS C:\AI-PYTHON LANGUAGE> & 'C:\Users\USER\AppData\Local\Programs\Python\Python310\python.exe' 'c:\Users\USER\.vscode\extension s\ms-python.python-2021.11.1422169775\pythonFiles\lib\python\debugpy\launcher' '651 .py'
masukkan nilai a : 4
masukkan nilai b : 6
masukkan nilai c : 3
yang terbesar 6
PS C:\AI-PYTHON LANGUAGE>

Failed to save 'user.bt': The content of the file is newer. Please compare your version with the file contents or overwrite the content of the file with your changes.

Activate Windows
Go to Settings to activate Windows.

Python 3.10.0 64-bit

Ln 11, Col 30 Spaces: 4 UTF-8 CRLF Python

11:07 PM 11/18/2021

- 6.
- 7.
- 8.
- 9.
- 10.
- 11.
- 12.
- 13.