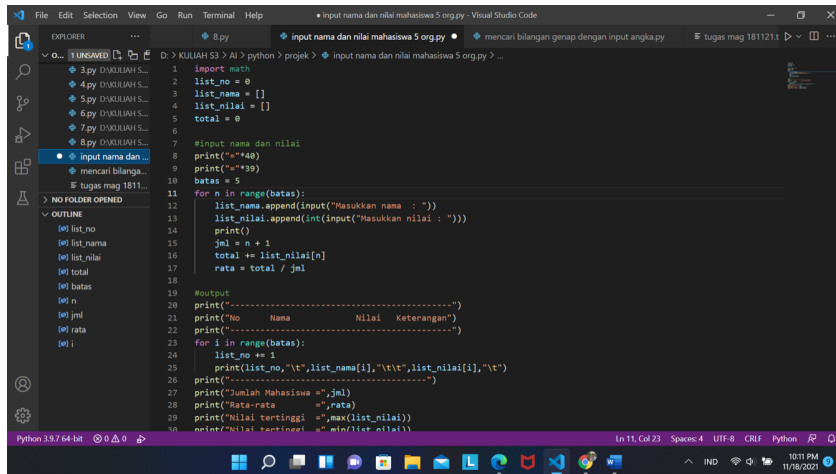


NAMA : Fitrah Ramdani

KELAS : AI-B

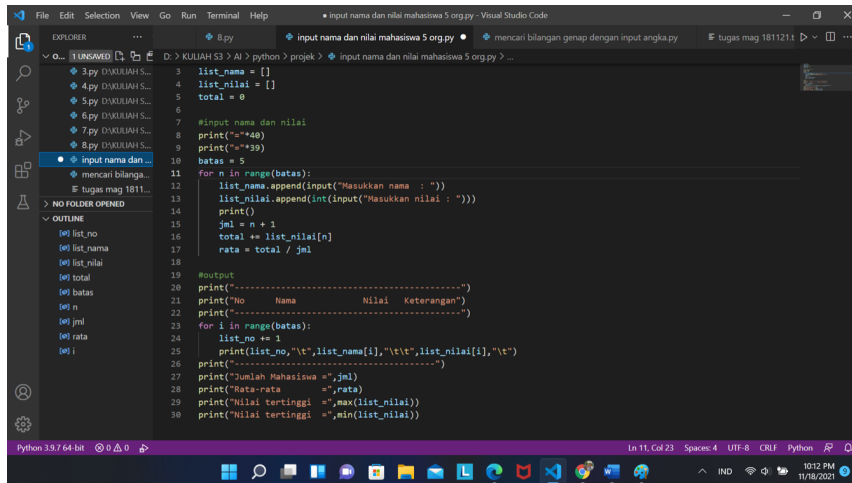
NIM : 20.01.013.021

## 1. Program Nilai Dan Nama Mahasiswa



The screenshot shows the Visual Studio Code editor with a Python file named 'input nama dan nilai mahasiswa 5 org.py'. The code is as follows:

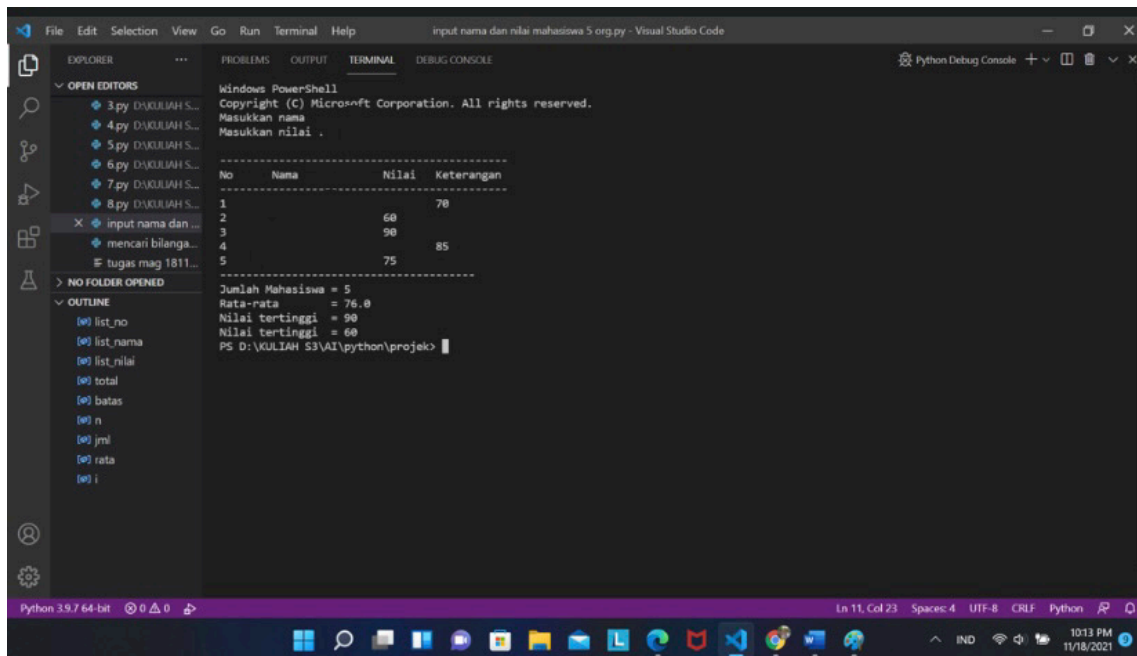
```
1 import math
2 list_no = 0
3 list_nama = []
4 list_nilai = []
5 total = 0
6
7 #input nama dan nilai
8 print("="*40)
9 print("="*39)
10 batas = 5
11 for n in range(batas):
12     list_nama.append(input("Masukkan nama : "))
13     list_nilai.append(int(input("Masukkan nilai : ")))
14     print()
15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



This is another screenshot of the same Visual Studio Code editor showing the same Python program. The code is identical to the one in the first screenshot:

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

## Output



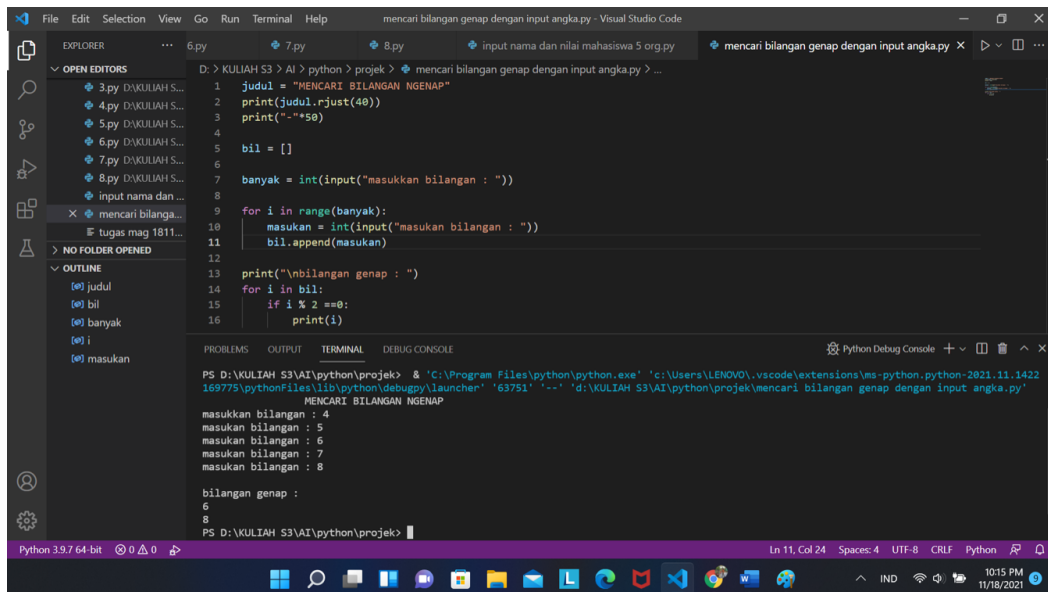
```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Masukkan nama
Masukkan nilai .

-----
No      Nama      Nilai  Keterangan
-----
1       70
2       60       70
3       90
4       85
5       75
-----

Jumlah Mahasiswa = 5
Rata-rata      = 76.0
Nilai tertinggi = 90
Nilai tertinggi = 60
PS D:\KULIAH S3\AI\python\projek>
```

## 4 Program mencari bilangan genap

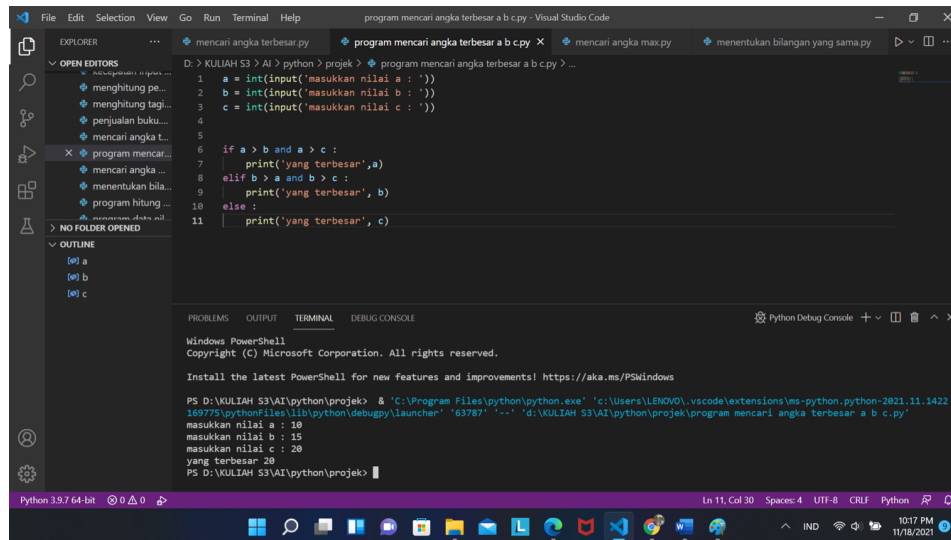


```
1 judul = "MENCAIRI BILANGAN NGENAP"
2 print(judul.rjust(40))
3 print("-"*50)
4
5 bil = []
6
7 banyak = int(input("masukkan bilangan : "))
8
9 for i in range(banyak):
10     masukan = int(input("masukan bilangan : "))
11     bil.append(masukan)
12
13 print("\nbilangan genap : ")
14 for i in bil:
15     if i % 2 == 0:
16         print(i)
```

```
PS D:\KULIAH S3\AI\python\projek> & 'C:\Program Files\python\python.exe' 'c:\Users\LENOVO\.vscode\extensions\ms-python.python-2021.11.1422\169775\pythonFiles\lib\python\debugpy\launcher' '63751' '-' 'd:\KULIAH S3\AI\python\projek\mencari bilangan genap dengan input angka.py'
MENCAIRI BILANGAN NGENAP
masukkan bilangan : 4
masukan bilangan : 5
masukan bilangan : 6
masukan bilangan : 7
masukan bilangan : 8

bilangan genap :
6
8
PS D:\KULIAH S3\AI\python\projek>
```

## 5. Program Mencari Angka terbesar



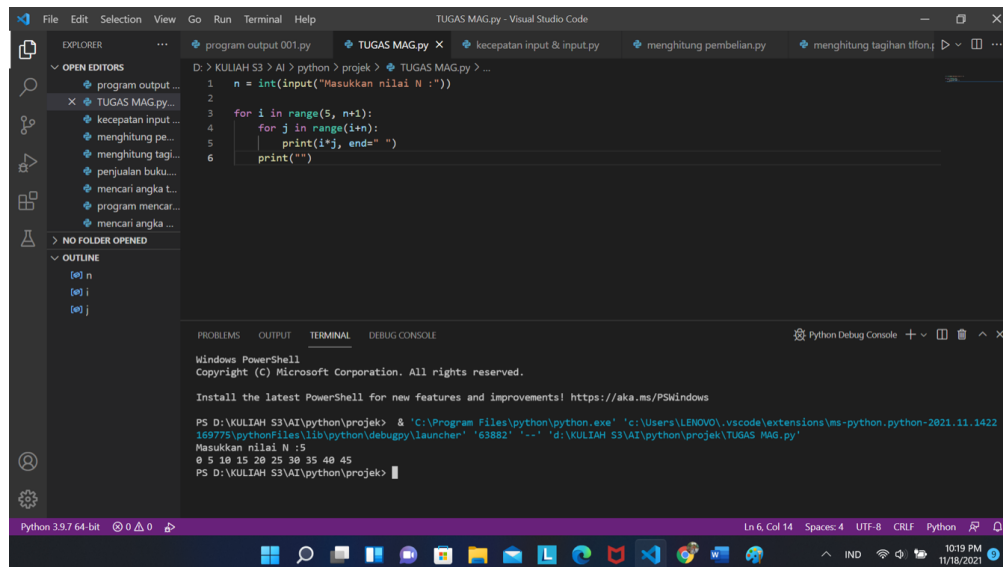
The screenshot shows a Visual Studio Code window with a Python file named 'program mencari angka terbesar a b c.py'. The code prompts the user to enter three numbers (a, b, and c) and then prints the largest one. The terminal shows the execution of the program with inputs 10, 15, and 20, resulting in the output 'yang terbesar: 20'.

```
D:\KULIAH S3\AI\python\projek > python > program mencari angka terbesar a b c.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)
```

```
PS D:\KULIAH S3\AI\python\projek> & 'C:\Program Files\python\python.exe' 'c:\Users\LENOVO\vscode\extensions\ms-python.python-2021.11.1422\169775\pythonFiles\lib\python\debugpy\launcher' '63787' '-...' 'd:\KULIAH S3\AI\python\projek\program mencari angka terbesar a b c.py'
masukkan nilai a : 10
masukkan nilai b : 15
masukkan nilai c : 20
yang terbesar: 20
PS D:\KULIAH S3\AI\python\projek>
```

## 6. Mengimput sejumlah Nilai

1.



The screenshot shows a Visual Studio Code window with a Python file named 'TUGAS MAG.py'. The code prompts the user to enter a value for 'N', then generates a list of numbers from 0 to N-1. The terminal shows the execution of the program with input 5, resulting in the output '0 5 10 15 20 25 30 35 40 45'.

```
D:\KULIAH S3\AI\python\projek > python > TUGAS MAG.py > ...
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, ends=" ")
6     print("")
```

```
PS D:\KULIAH S3\AI\python\projek> & 'C:\Program Files\python\python.exe' 'c:\Users\LENOVO\vscode\extensions\ms-python.python-2021.11.1422\169775\pythonFiles\lib\python\debugpy\launcher' '63882' '-...' 'd:\KULIAH S3\AI\python\projek\TUGAS MAG.py'
Masukkan nilai N :5
0 5 10 15 20 25 30 35 40 45
PS D:\KULIAH S3\AI\python\projek>
```

7.

1. #PROGRAM NILAI DAN NAMA MAHASISWA# SOURCE CODE:

