

LAPORAN PRAKTIKUM

PEMROGRAMAN BERORIENTASI OBJECT ORIENTED

2023



Prepared By:

Nama : IMANDA

NIM : 210511089

Kelas : TIF21B (R2)

Praktikum

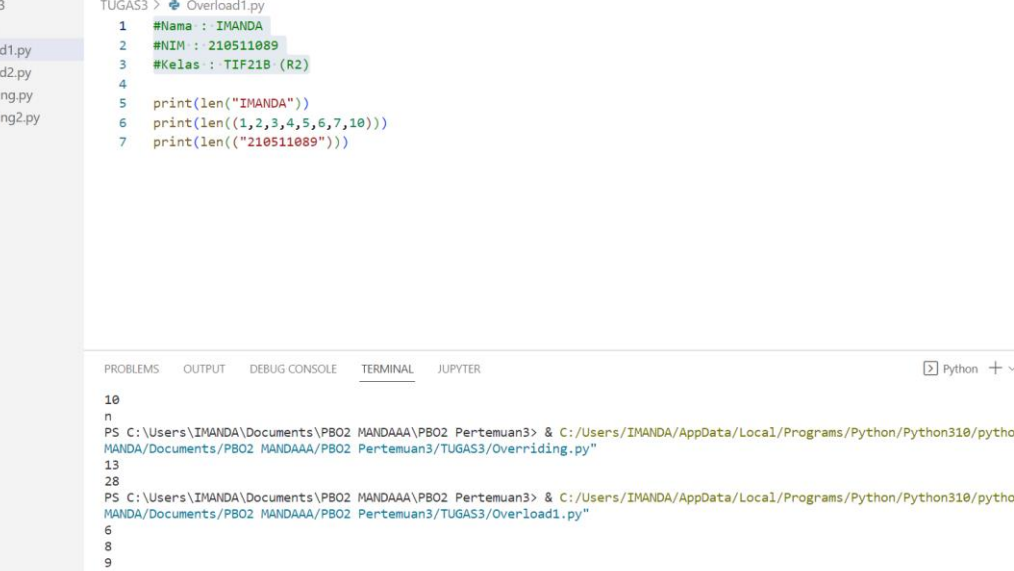
Buatlah masing-masing 2 contoh polymorphism statis (overload) dan polymorphism dinamis (overriding). Beri nama overload1.py, overload2, overriding1.py, overriding2.py :

Overload1 :

```
#Nama : IMANDA
#NIM : 210511089
#Kelas : TIF21B (R2)

print(len("IMANDA"))
print(len((1,2,3,4,5,6,7,10)))
print(len(("210511089")))
```

Output



The screenshot displays the Visual Studio Code interface. The editor window shows a Python file named 'Overload1.py' with the following code:

```
1 #Nama : IMANDA
2 #NIM : 210511089
3 #Kelas : TIF21B (R2)
4
5 print(len("IMANDA"))
6 print(len((1,2,3,4,5,6,7,10)))
7 print(len(("210511089")))
```

The terminal window at the bottom shows the execution of the script, displaying the output:

```
10
n
PS C:\Users\IMANDA\Documents\PB02 MANDAAA\PB02 Pertemuan3> & C:/Users/IMANDA/AppData/Local/Programs/Python/Python310/python.exe "c:/Users/IMANDA/Documents/PB02 MANDAAA/PB02 Pertemuan3/Overriding.py"
13
28
PS C:\Users\IMANDA\Documents\PB02 MANDAAA\PB02 Pertemuan3> & C:/Users/IMANDA/AppData/Local/Programs/Python/Python310/python.exe "c:/Users/IMANDA/Documents/PB02 MANDAAA/PB02 Pertemuan3/TUGAS3/Overload1.py"
6
8
9
PS C:\Users\IMANDA\Documents\PB02 MANDAAA\PB02 Pertemuan3>
```

The status bar at the bottom indicates the file is at line 1, column 1, with 52 characters selected. The system tray shows the date and time as 23:25 on 02/04/2023.

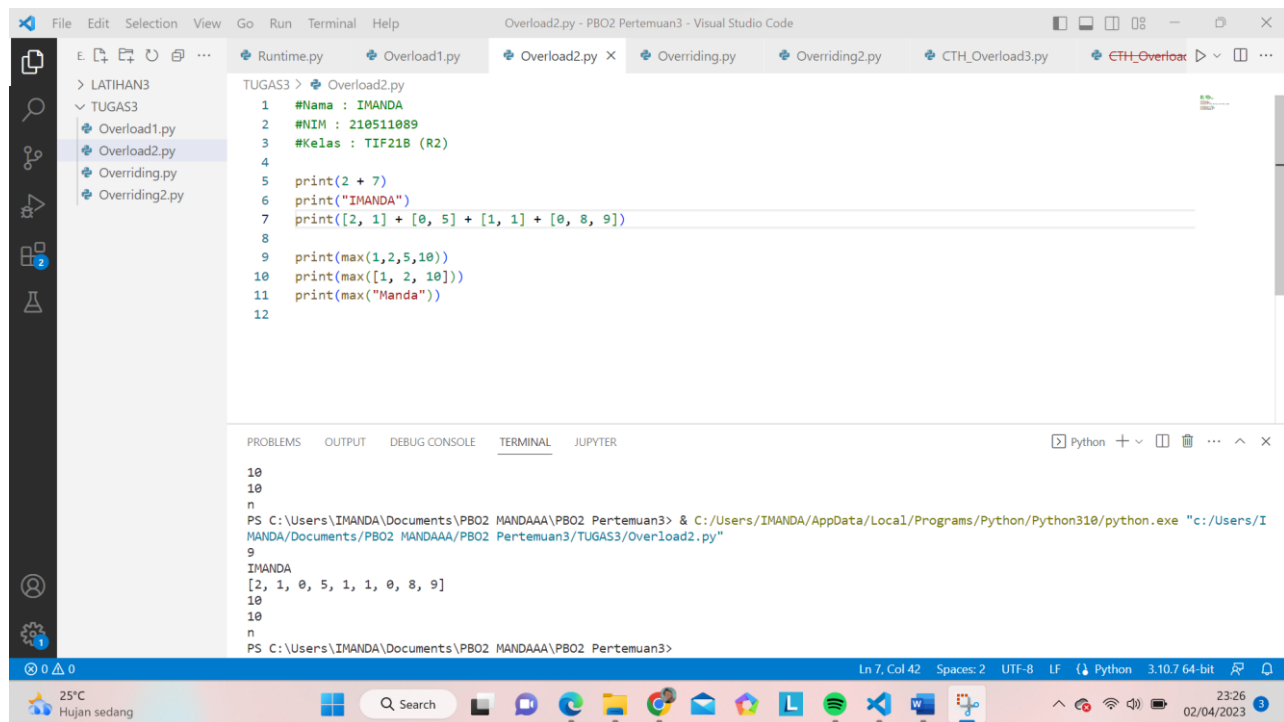
Overload2 :

```
#Nama : IMANDA
#NIM : 210511089
#Kelas : TIF21B (R2)

print(2 + 7)
print("IMANDA")
print([2, 1] + [0, 5] + [1, 1] + [0, 8, 9])

print(max(1,2,5,10))
print(max([1, 2, 10]))
print(max("Manda"))
```

Output



```
File Edit Selection View Go Run Terminal Help Overload2.py - PBO2 Pertemuan3 - Visual Studio Code
> LATIHAN3
  TUGAS3
    Overload1.py
    Overload2.py
    Overriding.py
    Overriding2.py

TUGAS3 > Overload2.py
1 #Nama : IMANDA
2 #NIM : 210511089
3 #Kelas : TIF21B (R2)
4
5 print(2 + 7)
6 print("IMANDA")
7 print([2, 1] + [0, 5] + [1, 1] + [0, 8, 9])
8
9 print(max(1,2,5,10))
10 print(max([1, 2, 10]))
11 print(max("Manda"))
12

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER Python + - - - - x
10
10
n
PS C:\Users\IMANDA\Documents\PBO2_MANDAAA\PBO2_Pertemuan3> & C:/Users/IMANDA/AppData/Local/Programs/Python/Python310/python.exe "c:/Users/I
MANDA/Documents/PBO2_MANDAAA/PBO2_Pertemuan3/TUGAS3/Overload2.py"
9
IMANDA
[2, 1, 0, 5, 1, 1, 0, 8, 9]
10
10
n
PS C:\Users\IMANDA\Documents\PBO2_MANDAAA\PBO2_Pertemuan3>
```

Overriding1 :

```
#Nama : IMANDA
#NIM : 210511089
#Kelas : TIF21B (R2)

class Matematika:
    def add(self, b, c):
        return b + c
    def add(self, b, c, d=0):
        return b + c + d
mat = Matematika()
Hitung = mat.add(5, 3, 5)
print(Hitung)
mut = Matematika()
Tambah = mut.add(18,10)
print(Tambah)
```

Output

The screenshot displays the Visual Studio Code interface. The editor window shows the Python script from the previous block. The file explorer on the left lists the project files. The terminal at the bottom shows the command prompt output, which includes the file path and the execution of the script, resulting in the output of the program.

```
Python 3.10.7 64-bit
Ln 7, Col 21  Spaces: 4  UTF-8  LF  Python 3.10.7 64-bit
25°C Berawan 23:28 02/04/2023
```

Overriding2 :

```
#Nama : IMANDA
#NIM : 210511089
#Kelas : TIF21B (R2)

class Matematika:
    def add(self, b, c):
        return b * c
    def add(self, b, c, d=0):
        return b * c * d
mat = Matematika()
Hitung = mat.add(5, 3, 5)
print(Hitung)
mut = Matematika()
Kali = mut.add(18,2,3)
print(Kali)
```

Output

```
File Edit Selection View Go Run Terminal Help
Overriding2.py - PBO2 Pertemuan3 - Visual Studio Code

> LATIHAN3
  TUGAS3
    Overload1.py
    Overload2.py
    Overriding1.py
    Overriding2.py

TUGAS3 > Overriding2.py > ...
1 #Nama : IMANDA
2 #NIM : 210511089
3 #Kelas : TIF21B (R2)
4
5 class Matematika:
6     def add(self, b, c):
7         return b * c
8     def add(self, b, c, d=0):
9         return b * c * d
10 mat = Matematika()
11 Hitung = mat.add(5, 3, 5)
12 print(Hitung)
13 mut = Matematika()
14 Kali = mut.add(18,2,3)
15 print(Kali)

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER
MANDA/ Documents/PBO2 MANDAAA/PBO2 Pertemuan3/TUGAS3/Overriding2.py"
75
108
PS C:\Users\IMANDA\Documents\PBO2 MANDAAA\PBO2 Pertemuan3> & C:/Users/IMANDA/AppData/Local/Programs/Python/Python310/python.exe "c:/Users/I
MANDA/ Documents/PBO2 MANDAAA/PBO2 Pertemuan3/TUGAS3/Overriding1.py"
13
28
PS C:\Users\IMANDA\Documents\PBO2 MANDAAA\PBO2 Pertemuan3> & C:/Users/IMANDA/AppData/Local/Programs/Python/Python310/python.exe "c:/Users/I
MANDA/ Documents/PBO2 MANDAAA/PBO2 Pertemuan3/TUGAS3/Overriding2.py"
75
108
PS C:\Users\IMANDA\Documents\PBO2 MANDAAA\PBO2 Pertemuan3>
```