LAPORAN PRAKTIKUM

PEMROGRAMAN BERORIENTASI OBJEK LANJUT

2023

Prepared By:

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

overload1.py

```
print(min(100, 3, 5, 500, 5000, 50))
print(min([1, 2, 3, 4, 0]))
print(min("Harimau"))
```

Hasil overload1.py

```
PS D:\PBO2 Adjie Priyanto 2023\praktikum3>  & 'C:\Users\LENOVO\AppData\Local\Microsoft\WindowsApps\python3.11.exe' 'c:\Users\LENOVO\
.vscode\extensions\ms-python.python-2023.6.0\pythonFiles\lib\python\debugpy\adapter/../..\debugpy\launcher' '57314' '--' 'D:\PBO2 Ad
jie Priyanto 2023\praktikum3\overload1.py'
3
0
H
PS D:\PBO2 Adjie Priyanto 2023\praktikum3>
```

overload2.py

```
a = [99, 6, 1]
a.sort()
print(a)

b = ["z", "b", "j"]
b.sort()
print(b)
```

Hasil overload2.py

```
PS D:\PBO2 Adjie Priyanto 2023\praktikum3>  d:; cd 'd:\PBO2 Adjie Priyanto 2023\praktikum3'; & 'C:\Users\LENOVO\AppData\Local\Micros
oft\WindowsApps\python3.11.exe' 'c:\Users\LENOVO\.vscode\extensions\ms-python.python-2023.6.0\pythonFiles\lib\python\debugpy\adapter
/../..\debugpy\launcher' '57355' '--' 'D:\PBO2 Adjie Priyanto 2023\praktikum3\overload2.py'
[1, 6, 99]
['b', 'j', 'z']
PS D:\PBO2 Adjie Priyanto 2023\praktikum3>
```

overriding1.py

```
class hewan:
    def move(self):
        print("kuda berlari")

class ikan(hewan):
    def move(self):
        print("ikan berenang")

class kodok(hewan):
    def move(self):
        print("kodok melompat")

H = hewan()
I = ikan()
Ko = kodok()

H.move()
I.move()
Ko.move()
```

Hasil overriding1.py

```
PS D:\PBO2 Adjie Priyanto 2023\praktikum3>  d:; cd 'd:\PBO2 Adjie Priyanto 2023\praktikum3'; & 'C:\Users\LENOVO\AppData\Local\Micros
oft\WindowsApps\python3.11.exe' 'c:\Users\LENOVO\.vscode\extensions\ms-python.python-2023.6.0\pythonFiles\lib\python\debugpy\adapter
/../..\debugpy\launcher' '57392' '--' 'D:\PBO2 Adjie Priyanto 2023\praktikum3\overriding1.py'
kuda berlari
ikan berenang
kodok melompat
PS D:\PBO2 Adjie Priyanto 2023\praktikum3>
```

overriding2.py

```
from abc import ABC, abstractmethod

class makanan(ABC):
    @abstractmethod
    def start(self):
        pass

class tahu(makanan):
    def start(self):
        print("tahu dimasak dengan di goreng")

class mie(makanan):
    def start(self):
        print("mie dimasak dengan direbus")

class bolu(makanan):
    def start(self):
        print("bolu dimasak dengan dikukus")



T = tahu()
Mi = mie()
B = bolu()

T.start()
Mi.start()
B.start()
```

Hasil overriding2.py

```
PS D:\PBO2 Adjie Priyanto 2023\praktikum3>  d:; cd 'd:\PBO2 Adjie Priyanto 2023\praktikum3'; & 'C:\Users\LENOVO\AppData\Local\Micros
oft\WindowsApps\python3.11.exe' 'c:\Users\LENOVO\.vscode\extensions\ms-python.python-2023.6.0\pythonFiles\lib\python\debugpy\adapter
/../..\debugpy\launcher' '57438' '--' 'D:\PBO2 Adjie Priyanto 2023\praktikum3\overriding2.py'
tahu dimasak dengan di goreng
mie dimasak dengan direbus
bolu dimasak dengan dikukus
PS D:\PBO2 Adjie Priyanto 2023\praktikum3>
```