LAPORAN PRAKTIKUM

PEMROGRAMAN BERORIENTASI OBJEK LANJUT

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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, 2, 5, 100, 3000, 50))
print(min([1, 2, 3, 4, 0]))
print(min("Zebra"))
```

Gambar 1.Hasil overload1.py

```
PS D:\mutasi\genap umc\pbolanjut\tugas3> & C:/Users/User/AppData/Local/Programs/Python/Pytho
n311/python.exe "d:/mutasi/genap umc/pbolanjut/tugas3/praktikum3/overload1.py"
2
0
Z
PS D:\mutasi\genap umc\pbolanjut\tugas3>
```

overload2.py

```
a = [100, 5, 3]
a.sort()
print(a)

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

Gambar 2.Hasil overload2.py

```
PS D:\mutasi\genap umc\pbolanjut\tugas3> & C:/Users/User/AppData/Local/Programs/Python/Pytho
n311/python.exe "d:/mutasi/genap umc/pbolanjut/tugas3/praktikum3/overload2.py"
[3, 5, 100]
['d', 'h', 'z']
PS D:\mutasi\genap umc\pbolanjut\tugas3>
```

overriding1.py

```
class kendaraan:
    def move(self):
        print("kendaraan berjalan")

class mobil(kendaraan):
    def move(self):
        print("mobil berjalan")

class motor(kendaraan):
    def move(self):
        print("motor berjalan")

K = kendaraan()
M = mobil()
Mo = motor()

K.move()
M.move()
Mo.move()
```

Gambar 3.Hasil overriding1.py

```
PS D:\mutasi\genap umc\pbolanjut\tugas3> & C:/Users/User/AppData/Local/Programs/Python/Pytho
n311/python.exe "d:/mutasi/genap umc/pbolanjut/tugas3/tugas3.py"
PS D:\mutasi\genap umc\pbolanjut\tugas3> & C:/Users/User/AppData/Local/Programs/Python/Pytho
n311/python.exe "d:/mutasi/genap umc/pbolanjut/tugas3/praktikum3/overriding1.py"
kendaraan berjalan
mobil berjalan
motor berjalan
PS D:\mutasi\genap umc\pbolanjut\tugas3>
```

overriding2.py

```
from abc import ABC, abstractmethod

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

class mobil(kendaraan):
    def start(self):
        print("mobil dinyalakan dengan cara di starter")

class motor(kendaraan):
    def start(self):
        print("motor dinyalakan dengan cara disela")

class traktor(kendaraan):
    def start(self):
        print("traktor dinyalakan dengan cara di starter")



M = mobil()
Mo = motor()
T = traktor()

M.start()
Mo.start()
T.start()
```

Gambar 4.Hasil overriding2.py

```
PS D:\mutasi\genap umc\pbolanjut\tugas3> & C:/Users/User/AppData/Local/Programs/Python/Pytho
n311/python.exe "d:/mutasi/genap umc/pbolanjut/tugas3/praktikum3/overriding2.py"
mobil dinyalakan dengan cara di starter
motor dinyalakan dengan cara disela
traktor dinyalakan dengan cara di starter
PS D:\mutasi\genap umc\pbolanjut\tugas3>
```