LAPORAN PRAKTIKUM

PEMROGRAMAN BERORIENTASI OBJEK LANJUT

2023

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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(200, 4, 6, 200, 4000, 55))
print(min([2, 3, 4, 5, 0]))
print(min("jerapah"))
```

Output

```
PS C:\Users\ACER\Documents\PBO\Praktikum 3> & 'C:\Users\ACER\AppData\Local\Programs\Python\Python39\python.exe' 'c:\Users\ACER\.vsc
ode\extensions\ms-python.python-2023.4.1\pythonFiles\lib\python\debugpy\adapter/../..\debugpy\launcher' '61153' '--' 'C:\Users\ACER\
Documents\PBO\Praktikum 3\overload1.py'
4
0
a
PS C:\Users\ACER\Documents\PBO\Praktikum 3>
```

Overload2.py

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

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

output

```
PS C:\Users\ACER\Documents\PBO\Praktikum 3> c:; cd 'c:\Users\ACER\Documents\PBO\Praktikum 3'; & 'C:\Users\ACER\AppData\Local\Progra
ms\Python\Python39\python.exe' 'c:\Users\ACER\.vscode\extensions\ms-python.python-2023.4.1\pythonFiles\lib\python\debugpy\adapter/..
/..\debugpy\launcher' '61249' '--' 'C:\Users\ACER\Documents\PBO\Praktikum 3\overload2.py'
[3, 5, 100]
['h', 'j', 'r']
PS C:\Users\ACER\Documents\PBO\Praktikum 3>
```

Overridding1.py

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

class pesawat(kendaraan):
    def move(self):
        print("pesawat berjalan terbang")

class kereta(kendaraan):
    def move(self):
        print("kerta berjalan")

K = kendaraan()
P = pesawat()
Ke = kereta()

K.move()
P.move()
Ke.move()
```

Output

Overridding2.py

```python
from abc import ABC, abstractmethod

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

class pesawat(kendaraan):
    def start(self):
        print("pesawat dinyalakan dengan airplane mode")

class kereta(kendaraan):
    def start(self):
        print("motor dinyalakan dengan cara menyalahkan mesin")

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



P = pesawat()
K = kereta()
T = traktor()

P.start()
K.start()
T.start()
```

Output