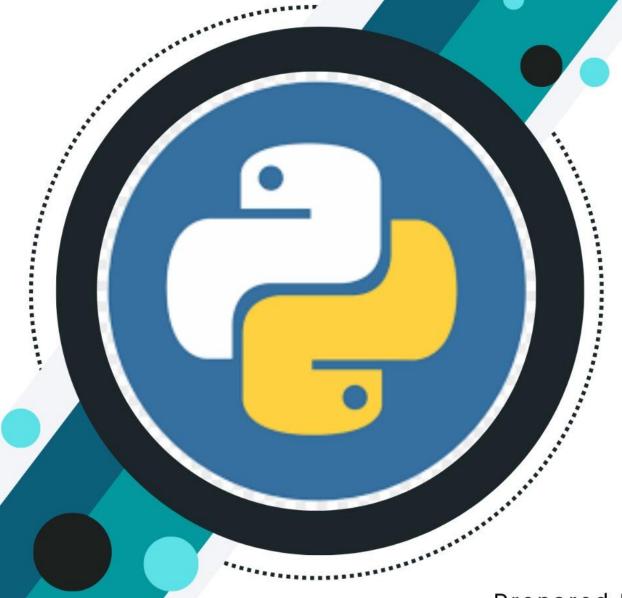




PEMROGRAMAN BERORIENTASI OBJEK LANJUT

2023



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Tugas Praktikum 3:

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

1. Statis(overload)

A. Overload 1

```
class Hewan:
    def suara(self):
        pass
class Kucing(Hewan):
    def suara(self):
        return "Meong"
class Anjing(Hewan):
    def suara(self):
        return "Guk Guk"
class Sapi(Hewan):
    def suara(self):
        return "Moo"
class Domba(Hewan):
    def suara(self):
        return "Mbeee"
daftar_hewan = [Kucing(), Anjing(), Sapi(), Domba()]
for hewan in daftar_hewan:
    print(hewan.suara())
```

```
🛪 File Edit Selection View Go Run Terminal Help overload1.py - pertemuan 3 - Visual Studio Code
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                                                                               \cdots \bullet poly_statis.py \bullet poly_dinamis.py \bullet overload1.py \times \bullet overriding1.py \bullet overriding2.py \triangleright \vee \square \cdots praktikum_3 \triangleright \bullet overload1.py \triangleright Sapl 1 class Hewan:
                         PERTEMUAN 3
                           > iii latihan_3

> iii praktikum_3
                                                                                                                                                              def suara(self):
                           overload1.py
coverload2.py
overloing1.py
overriding2.py
                                                                                                                                                                                  pass
                                                                                                                                       5 class Kucing(Hewan):
                                                                                                                                                          def suara(self):
return "Meong"
                                                                                                                                           9 class Anjing(Hewan):
                                                                                                                                                               def suara(self):
return "Guk Guk"
                                                                                                                                     13 class Sapi(Hewan):
                                                                                                                                                                  def suara(self):
return "Moo"
                                                                                                                                     17 class Domba(Hewan):
                                                                                                                                                                def suara(self):
                                                                                                                                                                                   return "Mbeee
                                                                                                                                     23 daftar_hewan = [Kucing(), Anjing(), Sapi(), Domba()]
                                                                                                                                                   for hewan in daftar_hewan:
print(hewan.suara())
                                                                                                                                                                                              🔒 🧿 🕲 🖨 🔌 🚾 P 🔌 🖼 💌
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  22°C Cerah ∧ 🄏 🖦 IND 8:26 📮
```

B. Overload 2

```
class Hewan:
    def suara(self):
        pass

class Kucing(Hewan):
    def suara(self):
        return "Meong"

class Anjing(Hewan):
    def suara(self):
        return "Guk Guk"

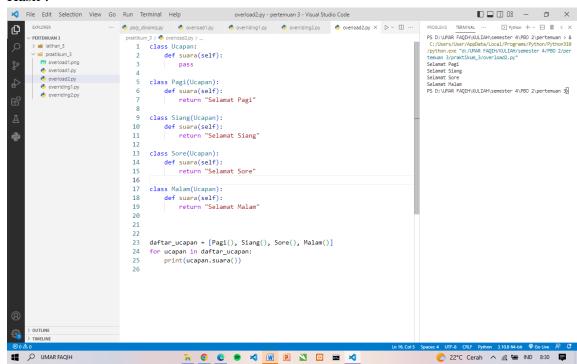
class Sapi(Hewan):
    def suara(self):
```

```
return "Moo"

class Domba(Hewan):
    def suara(self):
       return "Mbeee"

daftar_hewan = [Kucing(), Anjing(), Sapi(), Domba()]

for hewan in daftar_hewan:
    print(hewan.suara())
```



2. Dinamis (Overriding)

A. Overriding 1

```
class Hewan:
    def suara(self):
        pass
class Kucing(Hewan):
    def suara(self):
        return "Meong"
class Anjing(Hewan):
    def suara(self):
        return "Guk Guk"
class Sapi(Hewan):
    def suara(self):
        return "Moo"
class Domba(Hewan):
    def suara(self):
        return "Mbeee"
def panggil_suara(hewan):
    print(hewan.suara())
kucing = Kucing()
anjing = Anjing()
sapi = Sapi()
domba = Domba()
panggil_suara(kucing)
panggil_suara(anjing)
panggil_suara(sapi)
panggil_suara(domba)
```

```
🛪 File Edit Selection View Go Run Terminal Help overriding1.py - pertemuan 3 - Visual Studio Code
                                                                                                                                                                                                                                                                                                                                                                                                                      medicing powering po
                       PERTEMUAN 3
                       PERTEMUAN 3

iii latihan_3

iiii praktikum_3

iiii overload1.png

overload1.py

iiii overload2.png

overload2.py
                                                                                                                          5 class Kucing(Hewan):
                                                                                                                                                                                                                                                                                                                                                                                                                      Mbeee
PS D:\UMAR FAQIH\KULIAH\semester 4\PBO 2\pertemuan 3
                                                                                                                                            def suara(self):
return "Meong"
                             overriding1.py
                                                                                                                           9 class Anjing(Hewan):
                                                                                                                                                 def suara(self):
                                                                                                                      13 class Sapi(Hewan):
                                                                                                                                                def suara(self):
return "Moo"
                                                                                                                       17 class Domba(Hewan):
                                                                                                                                             def suara(self):
return "Mbeee"
                                                                                                                      21 def panggil_suara(hewan):
22 print(hewan.suara())
                                                                                                                     25 anjing = Anjing()
26 sapi = Sapi()
                                                                                                                       27 domba = Domba()
                                                                                                                      29 panggil_suara(kucing)
                                                                                                                                    panggil_suara(anjing)
                                                                                                                       31 panggil_suara(sapi)
32 panggil_suara(domba
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                                                                                                                                                                        C 22°C Cerah ∧ //<sub>6</sub> 🖦 IND 8:32 📮
```

B. Overriding 2

```
class Ucapan:
    def suara(self):
        pass

class Pagi(Ucapan):
    def suara(self):
        return "Selamat Pagi"

class Siang(Ucapan):
    def suara(self):
        return "Selamat Siang"

class Sore(Ucapan):
    def suara(self):
        return "Selamat Sore"
```

```
class Malam(Ucapan):
    def suara(self):
        return "Selamat Malam"

def panggil_suara(ucapan):
    print(ucapan.suara())

pagi = Pagi()
siang = Siang()
sore = Sore()
malam = Malam()

panggil_suara(pagi)
panggil_suara(siang)
panggil_suara(sore)
panggil_suara(sore)
panggil_suara(malam)
```

