



2023



Pre pa red By:

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Kelas: TIF21B (R2)

Praktikum 2

Buatlah masing-masing 2 contoh jenis pewarisan di luar dari contoh yang telah diberikan, beri nama:

1. single1.py

> TIMELINE

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```
class Orang:
        def __init__(self, nama, umur):
                self_nama = nama
                self_umur = umur
         def sapa(self):
                print("Halo, nama saya", self_nama)
 class Pelajar(Orang):
        def __init__(self, nama, umur, nis):
                super().__init__(nama, umur)
                self.nis = nis
        def belajar(self):
                print("Saya sedang belajar di kelas.")
 pelajar1 = Pelajar("Ahmad", 16, "12345")
 pelajar1.sapa()
 pelajar1_belajar()
OUTPUT SS
🔻 File Edit Selection View Go Run Terminal Help Single1.py - Pertemuan 2 - Visual Studio Code
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         Hybrid2.py
Laporan Praktiku... 19
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         Multilevel1.py
         Multilevel2.py
         Multiple1.py
        Multiple2.py PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
♣ Single1.py
Single1.py
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
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Python/Python310/python.exe "d:/KELAS\TIF/212-C1C-R2 semester 4\P80 2 Lanjut\Wahyudi (R2) - 2023\Pertemuan 2\Praktikum/Sing
lei.py"
Halo, nama saya Ahmad
Saya sedang belajar di kelas.
PS D:\KELAS\TIF\212-C1C-R2 semester 4\P80 2 Lanjut\Wahyudi (R2) - 2023\Pertemuan 2> []
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         Single2.py
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2. single2.py

```
class Orangtua:
    def __init__(self, rambut, umur):
        self.rambut = rambut
        self.umur = umur
    def jenisRambut(self):
        print(self.rambut, "Keriting")

class Anak(Orangtua):
    def __init__(self, rambut, umur, warnaMata):
        super().__init__(rambut, umur)
        self.warnaMata = warnaMata

    def JenisKelamin(self):
        print("Laki Laki")

kucingA = Anak("Aldi", 12, "biru")
kucingA.jenisRambut()
kucingA.JenisKelamin()
```

OUTPUT SS File Edit Selection View Go Run Terminal Help Single2.py - Pertemuan 2 - Visual Studio Code Multilevel2.py Multilevel1.py Hierarchical1.py PERTEMUAN 2 Praktikum > Single2.py > Anak 1 class Orangtua: def __init__(self, rambut, umur): self.umur = umur def jenisRambut(self): print(self.rambut, "Keriting") SS Multiple-cth1... SS Multiple-cth3... SS Multiple-cth3... SS Single-cth3... Praktikum Praktikum Praktikum Praktikum def jenisRambut(self): print(self.rambut, "Keriting") class Anak(Orangtua): def __init__(self, rambut, umur, warnaMata): super().__init__(rambut, umur) self.warnaMata = warnaMata def JenisKelamin(self): print("Laki Laki") Hierarchical2.py Hierarchical2.py Hybrid2.py Laporan Praktiku... Multilevel1.py Multileve ··· 🐧 Multilevel2.py 🐧 Multilevel1.py 🐧 Hierarchical1.py 🐧 Hierarchical2.py 🐧 Hybrid2.py 🐧 Single2.py × D v 🔲 ··· EXPLORER 752.00 0 20 8 Д Multilevel1.py Multilevel2.pv Multiple1.py Multiple2.py Multiple_py Single1.py Single2.py Single2.py Single2.py Tugas Tugas Tugas Tugas Tugas Multiple_py PS D:\KELAS\TIF\212-C1C-R2 semester 4\PBO 2 Lanjut\Wahyudi (R2) - 2023\Pertemuan 2> & C:\Users\DELL\AppData\Local\Programs\Progr PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL SOS > OUTLINE > TIMELINE ⊗ 0 △ 0 Ln 9, Col 22 Spaces: 4 UTF-8 CRLF {} Python 3.10.7 64-bit ♀ Go Live ⊘ Prettier 尽 ♀

3. multiple1.py

```
class Tenaga :
    def setTenaga (self,tenaga):
        self.tenaga = tenaga

def showTenaga(self):
    print(self.tenaga)
```

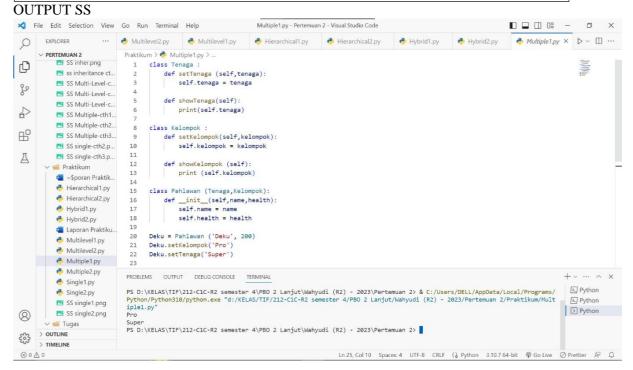
```
class Kellompok :
    def setKellompok(sellf,kelompok):
        self.kelompok = kelompok

def showKellompok (self):
        print (self.kellompok)

class Pahllawan (Tenaga,Kelompok):
    def __init__(self,name,health):
        self.name = name
        self.health = health

Deku = Pahllawan ('Deku', 200)
Deku.setKelompok('Pro')
Deku.setTenaga('Super')

Deku.showKelompok()
Deku.showTenaga()
```



4. multiple2.py,

```
class Manusia:
    def __init__(self, nama ,umur):
        self.nama = nama
        self.umur = umur

class Penari:
    def __init__(self, style):
```

```
self.style = style
         class Murid (Manusia, Penari):
                                                   def __init__(self, nama, umur, style):
                                                                                           Manusia. init (self, nama, umur)
                                                                                           Penari.__init__(self,style)
          Deku = Murid( 'Deku', 20, 'Hiphop')
          print (Deku_nama)
         print (Deku_umur)
         print (Deku style)
OUTPUT SS

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Praktikum > Multiple2.py > ...

class Manusia:

class Manusia:

class Manusia:

def__init__(self, nama ,umur):

self.nama = nama
 self.umur = umur

ss Multiple-cth1...

SS Multiple-cth2...

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SS Multiple-cth3...

SS Multiple-cth3...

Praktikum

class Penari:

def__init__(self, style):
 self.style = style

class Munusia, Penari):

def__init__(self, nama, umur) style):
 self.style = style

class Munusia, Penari:

def__init__(self, nama, umur) style):
 praktikum

Praktikum

Hierarchical1.py

Hierarchical2.py

Hierarchical2.py

Hybrid2.py

Laporan Praktik...

Praktikum > Multiple2.py > ...

def__init__(self, style):
 self.style = style

class Munusia, Penari:
 def__init__(self, nama, umur) style):
 penari.__init__(self, style)

Penari.__init__(self, style)

Praktikum = 1

class Manusia:

def__init__(self, style):
 self.nama = nama
 self.umur = umur

def__init__(self, style):
 self.style = style

class Munusia, Penari):
 def__init__(self, nama, umur) penari.__init__(self, style):
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class Munusia, Penari):
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class Munusia, Penari):
 def__init__(self, nama, umur) penari.__init__(self, style):
 self.style = style

class Munusia...
 def__init__(self, style):
 self.style = style

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Python/Python310/python.exe "d:/KELAS/TIF/212-CIC-R2 semester 4\PB0 2 Lanjut/Wahyudi (R2) - 2023\Pertemuan 2\Praktikum/Mult
iple2.py"

Python

> Python

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Python

5. hierarchical1.Py

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Multilevel1.py
Multilevel2.py
Multiple1.py
Multiple2.py

Single1.py

SS multiple1.png

SS single1.png
SS single2.png

Single2.py

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

```
class Parent:
    def func1(self):
        print("This function is in parent class.")

class Child1(Parent):
    def func2(self):
        print("This function is in child 1.")

class Child2(Parent):
    def func3(self):
```

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```
print("This function is in child 2.")

# Driver's code
object1 = Child1()
object2 = Child2()
object1.func1()
object1.func2()
object2.func1()
object2.func3()
```

```
🖈 File Edit Selection View Go Run Terminal Help Hierarchical1.py - Pertemuan 2 - Visual Studio Code
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SS Multi-Level-c...

SS Multi-Level-c...

Praktikum > de Hierarchicalt,py > de Child1 > de func2

class Parent:

def func1(self):

print("This function is in parent class.")

SS Multi-Level-c...

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SS Single-cth2.p...

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Pastikum

7

class Child1(Parent):

def func2(self):

print("This function is in child 1.")

Praktikum

7

class Child1(Parent):

print("This function is in child 1.")
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                                    Praktikum

12
3 -Sporan Praktik...

Hierarchical1.py
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Hybrid1.py

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Phybrid2.py

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Phybrid2.py

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Laporan Praktiku.

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```

6. hierarchical2.py

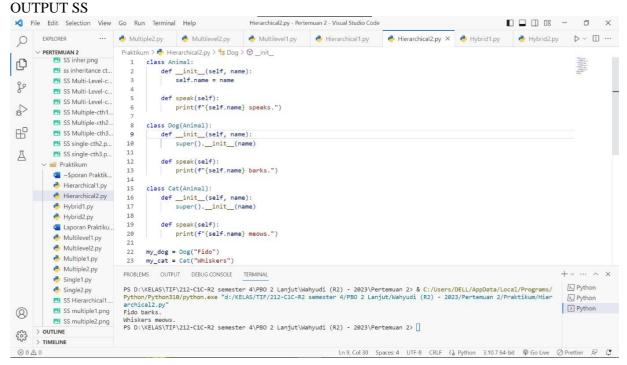
```
class Animal:
    def __init__(self, name):
        self.name = name

    def speak(self):
        print(f"{self.name} speaks.")

class Dog(Animal):
    def __init__(self, name):
        super().__init__(name)

    def speak(self):
        print(f"{self.name} barks.")

class Cat(Animal):
```



7. multilevel1.py

```
class Animal:
    def __init__(self, species):
        self.species = species

def eat(self):
        print("The animal is eating.")

class Pet(Animal):
    def __init__(self, name, species):
        super().__init__(species)
        self.name = name

def play(self):
    print("The pet is playing.")
```

```
class cat(Pet):
    def __init__(self, name, breed):
        super().__init__(name, "Canine")
        self.breed = breed

    def bark(self):
        print("Meow! MeoW!")

my_cat = cat("Ane", "Golden Retriever")
print("Species:", my_cat.species)
print("Name:", my_cat.name)
my_cat.eat()
my_cat.play()
my_cat.bark()
```

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                                                                                                                                                                                                                                                         def __init__(self, name, species):
    super().__init__(species)
    self.name = name
                                  Praktikum

Praktikum

Sporan Praktikum

Hierarchical1.py

Hierarchical2.py

Hierarchical2.py

Hybrid1.py

Hybrid2.py

Multilevel1.py

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Multiplev4.py

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Single2.py
My_cat = cat("Ane", "Golden Retriever")
print("Species:", my_cat.species)
print("Name:", my_cat.name)
Single1.png
Multiple2.png
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Miltiple3.png

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Tugas 2.docx
The animal is eating.
The pet is playing.
Meow! Meow!

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

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Species: Canie
Name: Ane
The pet is playing.
Meow! Meow!
 > OUTLINE > TIMELINE
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```

8. multilevel2.py

```
class Vehicle:
    def __init__(self, color, wheels):
        self.color = color
        self.wheels = wheels

class Car(Vehicle):
    def __init__(self, color, wheels, speed):
        super().__init__(color, wheels)
        self.speed = speed
```

```
def drive(self):
    print(f"The {self.color} car is driving at {self.speed}
km/h.")

class ElectricCar(Car):
    def __init__(self, color, wheels, speed, battery_capacity):
        super().__init__(color, wheels, speed)
        self.battery_capacity = battery_capacity

def charge(self):
    print(f"The {self.color} electric car is charging its battery
with {self.battery_capacity} kWh.")

my_electric_car = ElectricCar("blue", 4, 120, 60)
my_electric_car.drive()
my_electric_car.charge()
```

OUTPUT SS 🔻 File Edit Selection View Go Run Terminal Help Multilevel2.py - Pertemuan 2 - Visual Studio Code O EXPLORER ... 👶 Multiple2.py 💆 Multiple2.py × 👶 Multiple2.py × 👶 Multiple2.py 🖒 Hierarchical1.py 👶 Hierarchical2.py 👶 Hybrid1.py 💍 Hybrid2.py 🗠 Hybrid2.py 0 20 Praktikum Class Car(Vehicle): Class Car(Vehic \$ > AS. Д print(f"The {self.color} car is driving at {self.speed} km/h.") Multilevel1.py Multilevel1.py 14 class ElectricCar(Car): Multilevel2.py 15 def __init__(self, def __init__(self, color, wheels, speed, battery_capacity): super().__init__(color, wheels, speed) self.battery_capacity = battery_capacity Multiple1.py Multiple2.py Mu print(f"The {self.color} electric car is charging its battery with {self.battery_capacity} kWh.") SS single1.png SS single2.png SS single2.png Tugas SS single2.png Tugas SS single2.png SS single (8) v 📹 Tugas SOS > OUTLINE ⊗ 0 △ 0

9. hybrid1.py

```
class A:
    def method_a(self):
        print("Method A")

class B(A):
    def method_b(self):
        print("Method B")

class C(A):
```

```
def method_c(self):
    print("Method C")

class D(B, C):
    def method_d(self):
        print("Method D")

my_d = D()
my_d_method_a()
my_d_method_b()
my_d_method_c()
my_d_method_d()
OUTPUT SS
```

```
🔾 File Edit Selection View Go Run Terminal Help Hybrid1.py - Pertemuan 2 - Visual Studio Code
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                               Praktikum > → Multiplez.py

Praktikum > → Hybrid1.py > ...

1 class A:

def method_a(self):
 print("Method A")

SS single-cth3.p...

Praktikum

- Sporan Praktik...

Heirarchical1.py

Heirarchical2.py

Heirarchical2.py

Heirarchical2.py

Heirarchical2.py

Class C(A):

def method_c(self):
 print("Method B")
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Praktikum
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                               SS single1.png
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```

10. hybrid2.py

```
class Animal:
    def __init__(self, name):
        self.name = name

    def speak(self):
        pass

class Dog(Animal):
    def speak(self):
        return "Woof!"

class Cat(Animal):
    def speak(self):
```

```
return "Meow"

class Bird(Animal):
    def speak(self):
        return "Tweet tweet!"

def main():
    dog = Dog("Buddy")
    cat = Cat("Mittens")
    bird = Bird("Polly")

    print(dog.name + ": " + dog.speak())
    print(cat.name + ": " + cat.speak())
    print(bird.name + ": " + bird.speak())

if __name__ == "__main__":
    main()
```

OUTPUT SS

