

LATIHAN-2 PBO2

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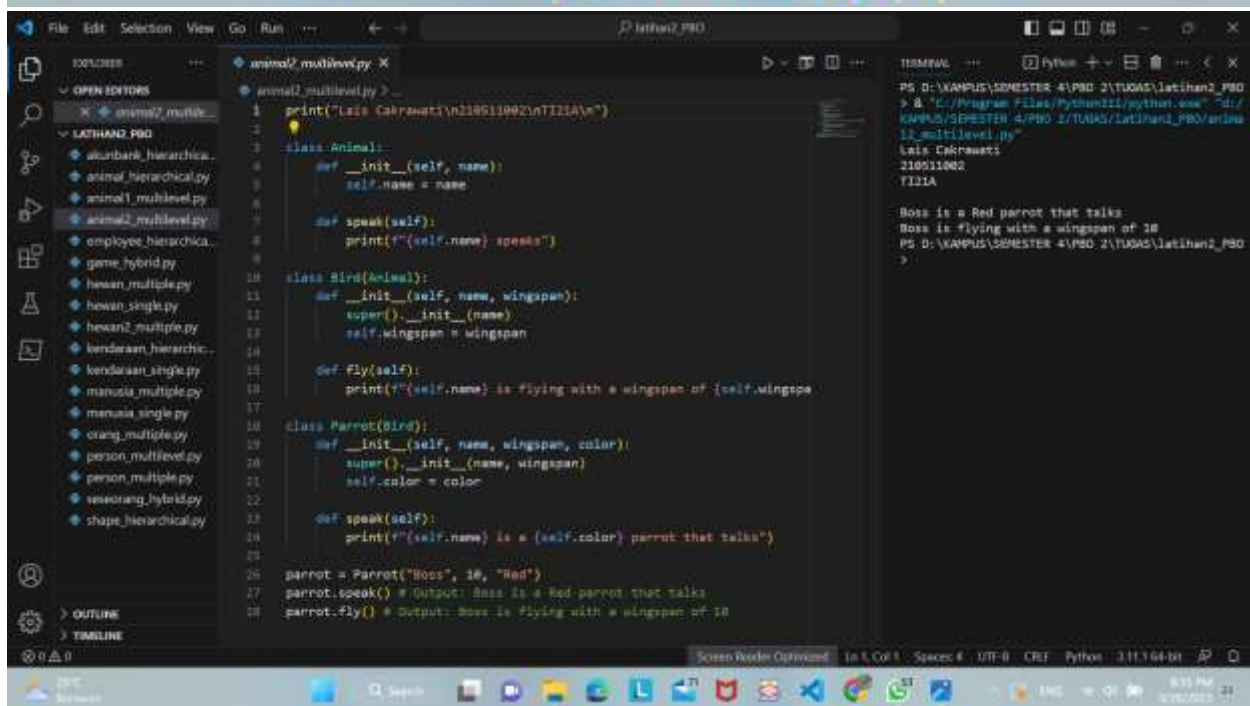
class Animal:
    def __init__(self, name, color):
        self.name = name
        self.color = color
    def get_name(self):
        return self.name
    def get_color(self):
        return self.color
    def data(self):
        print(f"({self.name}: {self.color})")

class Mammal(Antimal):
    def __init__(self, name, color, fur):
        super().__init__(name, color)
        self.fur = fur
    def get_fur(self):
        return self.fur

class Bird(Antimal):
    def __init__(self, name, color, wingspan):
        super().__init__(name, color)
        self.wingspan = wingspan
    def get_wingspan(self):
        return self.wingspan

# Hierarchical Inheritance
class Reptile(Mammal):
    def __init__(self, name, color, fur, weight):
        super().__init__(name, color, fur)

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OPEN EDITORS
hathon2_P80
hewan_multiple.py
akurank_hierarchic...
animal_hierarchical.py
animal1_multilevel.py
animal2_multilevel.py
employee_hierarchic...
game_hybrid.py
hewan_multiple.py
hewan_single.py
hewan2_multiple.py
kendaraan_hierarchic...
kendaraan_single.py
manusia_multiple.py
manusia_single.py
orang_multiple.py
person_multilevel.py
person_multiple.py
seworang_hybrid.py
shape_hierarchical.py

hewan_multiple.py
1 print("Lais Cakrawati\n210511002\nT121A\n")
2
3 class Hewan:
4     def __init__(self, nama, umur):
5         self.nama = nama
6         self.umur = umur
7
8     def display_info(self):
9         print(f"Nama: {self.nama}")
10        print(f"Umur: {self.umur}")
11
12 class Reptil:
13     def __init__(self, jenis, habitat):
14         self.jenis = jenis
15         self.habitat = habitat
16
17     def display_info(self):
18         print(f"Jenis: {self.jenis}")
19         print(f"Habitat: {self.habitat}")
20
21 class Asephini:
22     def __init__(self, metamorfosis, habitat):
23         self.metamorfosis = metamorfosis
24         self.habitat = habitat
25
26     def display_info(self):
27         print(f"Metamorfosis: {self.metamorfosis}")
28         print(f"Habitat: {self.habitat}")
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PS D:\KAMPUS\SEMESTER 4\PSD 2\TUGAS\latihan2_P80
> & "C:/Program Files/Python311/python.exe" "d:/KAMPUS/SEMESTER 4/PSD 2/TUGAS/latihan2_P80/hewan_multiple.py"
Lais Cakrawati
210511002
T121A

Jenis: Reptil-Asephini
Habitat: Air
Nama: Katak Merah
Umur: 2
Jenis: Reptil-Asephini
Habitat: Air
Metamorfosis: Telur
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File Edit Selection View Go Run ... hathon2_P80

OPEN EDITORS
hathon2_P80
hewan_single.py
akurank_hierarchic...
animal_hierarchical.py
animal1_multilevel.py
animal2_multilevel.py
employee_hierarchic...
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hewan_multiple.py
hewan_single.py
hewan2_multiple.py
kendaraan_hierarchic...
kendaraan_single.py
manusia_multiple.py
manusia_single.py
orang_multiple.py
person_multilevel.py
person_multiple.py
seworang_hybrid.py
shape_hierarchical.py

hewan_single.py
1 print("Lais Cakrawati\n210511002\nT121A\n")
2
3 class Hewan:
4     def __init__(self, nama, umur):
5         self.nama = nama
6         self.umur = umur
7
8     def bergerak(self):
9         print(self.nama, "bergerak")
10
11 class Kucing(Hewan):
12     def __init__(self, nama, umur, jenis_bulu):
13         super().__init__(nama, umur)
14         self.jenis_bulu = jenis_bulu
15
16     def bersuara(self):
17         print("Meow!")
18
19 kucing = Kucing("Moca", 1, "anggora")
20 kucing.bergerak() # output: Moca bergerak
21 kucing.bersuara() # output: Meow!
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> & "C:/Program Files/Python311/python.exe" "d:/KAMPUS/SEMESTER 4/PSD 2/TUGAS/latihan2_P80/hewan_single.py"
Lais Cakrawati
210511002
T121A

Moca bergerak
Meow!
PS D:\KAMPUS\SEMESTER 4\PSD 2\TUGAS\latihan2_P80
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File Edit Selection View Go Run ... hathon2_PBO

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hathon2_PBO
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akurbank_hierarchi...
animal_hierarchical.py
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employee_hierarchi...
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hewan_multiple.py
hewan_single.py
hewan2_multiple.py
kendaraan_hierarchi...
kendaraan_single.py
manusia_multiple.py
manusia_single.py
orang_multiple.py
person_multilevel.py
person_multiple.py
seorang_hybrid.py
shape_hierarchical.py

hewan2_multiple.py X
1 print("Lais Cakrawati\N210511002\N2121A\n")
2
3 class Hewan:
4     def __init__(self, jenis):
5         self.jenis = jenis
6
7     def display_info(self):
8         print(f"Jenis hewan: {self.jenis}")
9
10 class Mamalia(Hewan):
11     def __init__(self, jenis, nama):
12         super().__init__(jenis, nama)
13         self.nama = nama
14
15     def display_info(self):
16         super().display_info()
17         print(f"Nama mamalia: {self.nama}")
18
19 class Karnivora(Hewan):
20     def __init__(self, jenis, makanan):
21         super().__init__(jenis)
22         self.makanan = makanan
23
24     def display_info(self):
25         super().display_info()
26         print(f"Jenis makanan: {self.makanan}")
27
28 class Kambing(Mamalia, Karnivora):
29     def __init__(self, jenis, nama, makanan):
30         super().__init__(jenis, nama, makanan)
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> & "C:/Program Files/Python311/python.exe" "d:/KAMPUS/SEMESTER 4/PBO 2/TUGAS/latihan2_PBO/hewan2_multiple.py"
Lais Cakrawati
210511002
Y121A

Jenis hewan: Mamalia
Jenis makanan: Rumput
Nama mamalia: Kambing
Jenis hewan: Mamalia
PS D:\KAMPUS\SEMESTER 4\PBO 2\TUGAS\latihan2_PBO
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File Edit Selection View Go Run ... hathon2_PBO

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hathon2_PBO
kendaraan_hierarchical.py X
akurbank_hierarchi...
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manusia_single.py
orang_multiple.py
person_multilevel.py
person_multiple.py
seorang_hybrid.py
shape_hierarchical.py

kendaraan_hierarchical.py X
1 class Kendaraan:
2     def __init__(self, nama):
3         self.nama = nama
4     def get_nama(self):
5         return self.nama
6     def data(self):
7         print(f"{self.nama} data")
8
9 class Mobil(Kendaraan):
10     def __init__(self, nama, merek):
11         super().__init__(nama)
12         self.merek = merek
13     def get_merek(self):
14         return self.merek
15
16 class SepedaMotor(Kendaraan):
17     def __init__(self, nama, tipe):
18         super().__init__(nama)
19         self.tipe = tipe
20     def get_tipe(self):
21         return self.tipe
22
23 # turunan Hierarchical Inheritance
24 class Truk(Mobil):
25     def __init__(self, nama, merek, kapasitas):
26         super().__init__(nama, merek)
27         self.kapasitas = kapasitas
28     def get_kapasitas(self):
29         return self.kapasitas
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PS D:\KAMPUS\SEMESTER 4\PBO 2\TUGAS\latihan2_PBO
> & "C:/Program Files/Python311/python.exe" "d:/KAMPUS/SEMESTER 4/PBO 2/TUGAS/latihan2_PBO/kendaraan_hierarchical.py"
Bulldozer dengan merek Mitsubishi Fighter PM 65
PS dg kapasitas 240 bhp
=====
Scorpy dengan tipe matic dg daya 6 Kw
PS D:\KAMPUS\SEMESTER 4\PBO 2\TUGAS\latihan2_PBO
>
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File Edit Selection View Go Run ... P:latihan2_P80
latihan2_P80
manusia_single.py X
1 print("Lais Cakrawati\\N210511002\\nT121A\\n")
2
3 class Manusia:
4     def __init__(self, nama, umur):
5         self.nama = nama
6         self.umur = umur
7     def berbicara(self):
8         print(f"({self.nama}) sedang berbicara.")
9
10 class Dokter(Manusia):
11     def __init__(self, nama, umur, nip):
12         super().__init__(nama, umur)
13         self.nip = nip
14     def mengajar(self):
15         print(f"({self.nama}) dengan NIP ({self.nip}) sedang memeriksa.")
16 dokterA = Dokter("DR. Lais", 25, "123455")
17 dokterA.berbicara() * Output: Budi sedang berbicara.
18 dokterA.mengajar() * Output: Budi dengan NIP 123455 sedang memeriksa.
```

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PS D:\KAMPUS\SEMESTER 4\PSD 2\TUGAS\latihan2_P80
> & "C:/Program Files/Python311/python.exe" "d:/KAMPUS/SEMESTER 4/PSD 2/TUGAS/latihan2_P80/manusia_single.py"
Lais Cakrawati
210511002
T121A

DR. Lais sedang berbicara.
DR. Lais dengan NIP 123455 sedang memeriksa.
PS D:\KAMPUS\SEMESTER 4\PSD 2\TUGAS\latihan2_P80
>
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File Edit Selection View Go Run ... P:latihan2_P80
latihan2_P80
orang_multiple.py X
1 print("Lais Cakrawati\\N210511002\\nT121A\\n")
2
3 class Orang:
4     def __init__(self, nama, umur):
5         self.nama = nama
6         self.umur = umur
7
8     def display_info(self):
9         print(f"Nama: {self.nama}")
10        print(f"Umur: {self.umur}")
11
12 class Pekerja:
13     def __init__(self, pekerjaan, gaji):
14         self.pekerjaan = pekerjaan
15         self.gaji = gaji
16
17     def display_info(self):
18         print(f"Pekerjaan: {self.pekerjaan}")
19         print(f"Gaji: {self.gaji}")
20
21 class Penulis:
22     def __init__(self, buku, genre):
23         self.buku = buku
24         self.genre = genre
25
26     def display_info(self):
27         print(f"Buku: {self.buku}")
28         print(f"Genre: {self.genre}")
```

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PS D:\KAMPUS\SEMESTER 4\PSD 2\TUGAS\latihan2_P80
> & "C:/Program Files/Python311/python.exe" "d:/KAMPUS/SEMESTER 4/PSD 2/TUGAS/latihan2_P80/orang_multiple.py"
Lais Cakrawati
210511002
T121A

Nama: Andras Hirsata
Umur: 30
Pekerjaan: Penulis
Gaji: $7000
Buku: Laskar Pelangi
Genre: Fiksi
PS D:\KAMPUS\SEMESTER 4\PSD 2\TUGAS\latihan2_P80
>
```

```
File Edit Selection View Go Run ... person_multilevel.py
person_multilevel.py X
person_multilevel.py > ...
1 print("Lais Cakrawati\n210511002\nT121A\n")
2
3 class Person:
4     def __init__(self, name, age):
5         self.name = name
6         self.age = age
7     def get_details(self):
8         print(f"Name: {self.name}, Age: {self.age}")
9
10 class Employee(Person):
11     def __init__(self, name, age, id, salary):
12         super().__init__(name, age)
13         self.id = id
14         self.salary = salary
15     def get_details(self):
16         super().get_details()
17         print(f"ID: {self.id}, Salary: {self.salary}")
18
19 class Manager(Employee):
20     def __init__(self, name, age, id, salary, department):
21         super().__init__(name, age, id, salary)
22         self.department = department
23     def get_details(self):
24         super().get_details()
25         print(f"Department: {self.department}")
26
27 Manager = Manager("Lais Cakrawati", 19, 210511002, "15jt", "Sekertaris")
28 Manager.get_details()
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PS D:\KAMPUS\SEMESTER 4\PRO 2\TUGAS\latihan2_PBO
> & "C:/Program Files/Python11/python.exe" "d:/
KAMPUS/SEMESTER 4/PRO 2/TUGAS/latihan2_PBO/pers
n_multilevel.py"
Lais Cakrawati
210511002
T121A

Name: Lais Cakrawati, Age: 19
ID: 210511002, Salary: 15jt
Department: Sekertaris
PS D:\KAMPUS\SEMESTER 4\PRO 2\TUGAS\latihan2_PBO
>
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File Edit Selection View Go Run ... person_multilevel.py
person_multilevel.py X
person_multilevel.py > ...
1 print("Lais Cakrawati\n210511002\nT121A\n")
2
3 class Person:
4     def __init__(self, name, umur):
5         self.name = name
6         self.umur = umur
7     def display_info(self):
8         print(f"Name: {self.name}")
9         print(f"Umur: {self.umur}")
10
11 class Mahasiswa(Person):
12     def __init__(self, name, umur, jurusan):
13         super().__init__(name, umur)
14         self.jurusan = jurusan
15     def display_info(self):
16         super().display_info()
17         print(f"Jurusan: {self.jurusan}")
18
19 class Alumni(Person):
20     def __init__(self, name, umur, tahun_lulus):
21         super().__init__(name, umur)
22         self.tahun_lulus = tahun_lulus
23     def display_info(self):
24         super().display_info()
25         print(f"Tahun lulus: {self.tahun_lulus}")
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PS D:\KAMPUS\SEMESTER 4\PRO 2\TUGAS\latihan2_PBO
> & "C:/Program Files/Python11/python.exe" "d:/
KAMPUS/SEMESTER 4/PRO 2/TUGAS/latihan2_PBO/pers
n_multilevel.py"
Lais Cakrawati
210511002
T121A

Name: Lais
Umur: 19
Tahun lulus: 2025
Jurusan: Informatika
Tahun lulus: 2025
PS D:\KAMPUS\SEMESTER 4\PRO 2\TUGAS\latihan2_PBO
>
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File Edit Selection View Go Run ...  
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PS D:\KAMPUS\SEMESTER 4\PRO 2\TUGAS\latihan2_PBO  
> & "C:/Program Files/Python311/python.exe" "d:/KAMPUS/SEMESTER 4/PRO 2/TUGAS/latihan2_PBO/shape_hierarchical.py"  
Volly Ball berwarna Yellow-Green dg merek Copays  
B/100 Fut berharga Rp 390.000  
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PS D:\KAMPUS\SEMESTER 4\PRO 2\TUGAS\latihan2_PBO  
>  
1 class Shape:  
2     def __init__(self, name, color):  
3         self.name = name  
4         self.color = color  
5     def get_name(self):  
6         return self.name  
7     def get_color(self):  
8         return self.color  
9     def data(self):  
10        print(f"{self.name} data")  
11  
12 class TwoDimensional(Shape):  
13     def __init__(self, name, color, sides):  
14         super().__init__(name, color)  
15         self.sides = sides  
16     def get_sides(self):  
17         return self.sides  
18  
19 class ThreeDimensional(Shape):  
20     def __init__(self, name, color, mark):  
21         super().__init__(name, color)  
22         self.mark = mark  
23     def get_mark(self):  
24         return self.mark  
25  
26 # Hierarchical Inheritance  
27 class Sphere(ThreeDimensional):  
28     def __init__(self, name, color, mark, price):  
29         super().__init__(name, color, mark)  
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> & "C:/Program Files/Python311/python.exe" "d:/KAMPUS/SEMESTER 4/PRO 2/TUGAS/latihan2_PBO/shape_hierarchical.py"  
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PS D:\KAMPUS\SEMESTER 4\PRO 2\TUGAS\latihan2_PBO  
>  
1 print("Lais Cakrawati\N210511002\N7121A\N")  
2  
3 class Seseorang:  
4     def __init__(self, name, age, address):  
5         self.name = name  
6         self.age = age  
7         self.address = address  
8  
9     def get_info(self):  
10        print("Name:", self.name)  
11        print("Age:", self.age)  
12        print("Address:", self.address)  
13  
14 # Single Inheritance  
15 class Mahasiswa(Seseorang):  
16     def __init__(self, name, age, address, student_id):  
17         super().__init__(name, age, address)  
18         self.student_id = student_id  
19  
20     def get_info(self):  
21         super().get_info()  
22         print("Student ID:", self.student_id)  
23  
24 # Single Inheritance  
25 class Employee(Seseorang):  
26     def __init__(self, name, age, address, employee_id, salary):  
27         super().__init__(name, age, address)  
28         self.employee_id = employee_id  
29         self.salary = salary  
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