

Nama: Mohamad Maulana

Kelas: R3(C)

Nim: 210511121

Tugas 2

# Nama : Mohamad Maulana

# NIM : 210511121 # Kelas : R3/C

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

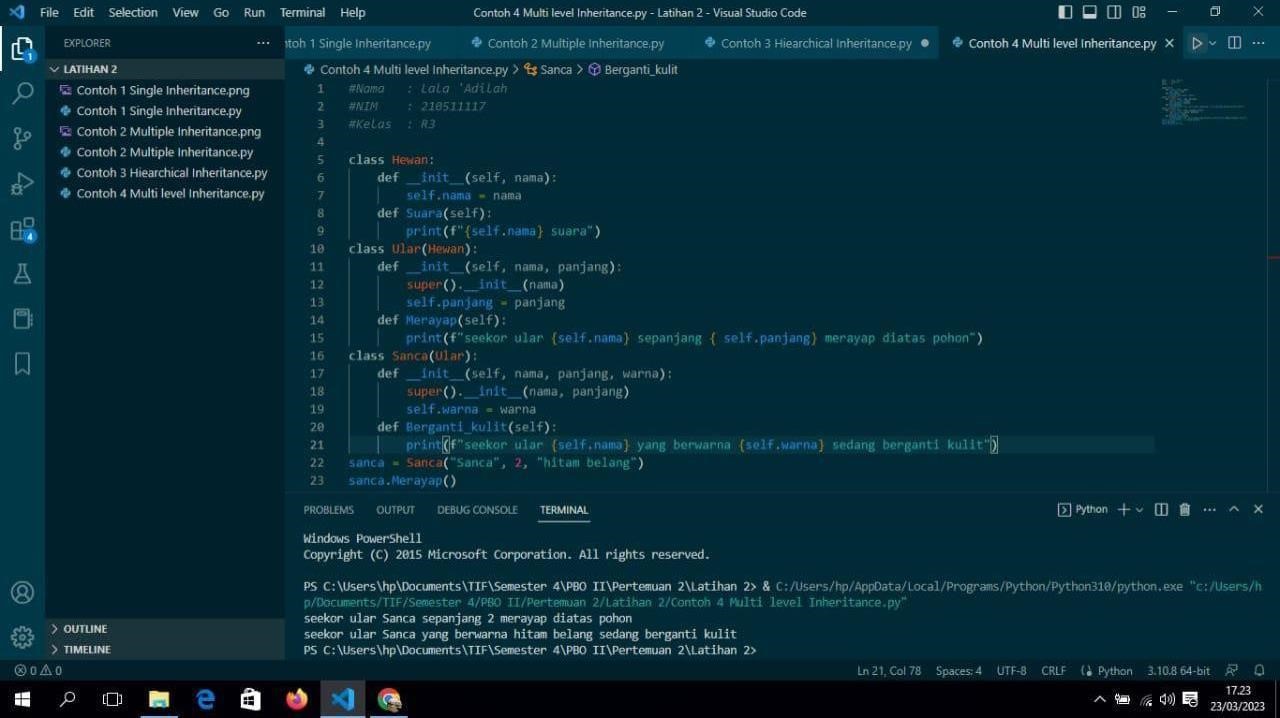
class Mammal(Animal): def \_init\_(self, name, color, fur): super().\_init\_(name, color)

self.fur = fur def get\_fur(self): return self.fur

class Bird(Animal): 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, scale): super().\_init\_(name, color, fur) self.scale = scale def get\_scale(self): return self.scale



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29 lines (24 sloc) 616 Bytes

# Nama : Mohamad Maulana

# NIM : 210511121

# Kelas : R3/C

# Single Inheritance class GameObject:

def \_init\_(self, x, y):

self.x = x

self.y = y

# Single Inheritance class Drawable:

def draw(self):

print("Drawing object at: ", self.x, self.y)

# Single Inheritance class Moveable:

def move(self, dx, dy):

self.x += dx self.y += dy

# Multiple Inheritance class Player(GameObject, Drawable, Moveable):

def \_init\_(self, x, y):

super().\_init\_(x, y) def update(self): self.move(1, 1)

self.draw()

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# Nama : Mohamad Maulana

# NIM : 210511121 # Kelas : R3/C

class Seseorang:

def \_init\_(self, name, age, address):

self.name = name self.age = age self.address = address

def get\_info(self): print("Name:", self.name) print("Age:", self.age) print("Address:", self.address)

# Single Inheritance class Mahasiswa(Seseorang):

def \_init\_(self, name, age, address, student\_id):

super().\_init\_…

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# Nama : Mohamad Maulana

# NIM : 210511121 # Kelas : R3/C

class Shape:

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

class TwoDimensional(Shape):

def \_init\_(self, name, color, sides):

super().\_init\_(name, color) self.sides = sides def get\_sides(self):

return self.sides

…

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# Multiple Inheritance class Player(GameObject, Drawable, Moveable):

def \_init\_(self, x, y):

super().\_init\_(x, y) def update(self): self.move(1, 1) self.draw()

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class Shape:

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 class TwoDimensional(Shape):

def \_init\_(self, name, color, sides): super().\_init\_(name, color) self.sides = sides def get\_sides(self):

return self.sides

class ThreeDimensional(Shape):

def \_init\_(self, name, color, faces): super().\_init\_(name, color) self.faces = faces def get\_faces(self):

return self.faces

# Hierarchical Inheritance class Sphere(ThreeDimensional):

def \_init\_(self, name, color, faces, radius): super().\_init\_(name, color, faces) self.radius = radius def get\_radius(self):

return self.radius

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class Seseorang: def \_init\_(self, name, age, address): self.name = name

self.age = age self.address = address

def get\_info(self):

print("Name:", self.name) print("Age:", self.age)

print("Address:", self.address)

# Single Inheritance class Mahasiswa(Seseorang):

def \_init\_(self, name, age, address, student\_id):

super().\_init\_(name, age, address) self.student\_id = student\_id def get\_info(self): super().get\_info()

print("Student ID:", self.student\_id)

# Single Inheritance class Employee(Seseorang):

def \_init\_(self, name, age, address, employee\_id, salary):

super().\_init\_(name, age, address) self.employee\_id = employee\_id

self.salary = salary def get\_info(self): super().get\_info() print("Employee ID:", self.employee\_id)

print("Salary:", self.salary)

# Multiple Inheritance class Penulis(Employee, Mahasiswa):

def \_init\_(self, name, age, address, employee\_id, salary, student\_id, published\_books):

Employee.\_init\_(self, name, age, address, employee\_id, salary) Mahasiswa.\_init\_(self, name, age, address, student\_id) self.published\_books = published\_books

def get\_info(self): super().get\_info() print("Student ID:", self.student\_id)

print("Published Books:", self.published\_books)

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