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Hierarchical

Hierarchical 1

#Nama   : Rifky Apriliana Arya Putra

#Kelas  : R1

#NIM    : 210511023

class Employee:

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

        self.name = name

        self.age = age

        self.salary = salary

    def get\_name(self):

        return self.name

    def get\_age(self):

        return self.age

    def get\_salary(self):

        return self.salary

    def speak(self):

        print(f"{self.name} speaks")

class Manager(Employee):

    def \_\_init\_\_(self, name, age, salary, department):

        super().\_\_init\_\_(name, age, salary)

        self.department = department

    def get\_department(self):

        return self.department

class Programmer(Employee):

    def \_\_init\_\_(self, name, age, salary, language):

        super().\_\_init\_\_(name, age, salary)

        self.language = language

    def get\_language(self):

        return self.language

# Hierarchical Inheritance

class SeniorProgrammer(Programmer):

    def \_\_init\_\_(self, name, age, salary, language, level):

        super().\_\_init\_\_(name, age, salary, language)

        self.level = level

    def get\_level(self):

        return self.level

    def speak(self):

        print(f"{self.name} Berumur {self.age} berpenghasilan {self.salary}/Bulan, karena menguasai bahasa {self.language} level {self.level}.")

        print("="\*54)

Pengunjung = SeniorProgrammer("Rifky Apriliana Arya Putra", 20,"Rp 5000.000", "Python", 2)

Pengunjung.speak()

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Hierarchical 2

#Nama   : Rifky Apriliana Arya Putra

#Kelas  : R1

#NIM    : 210511023

class Ekspedisi:

    def \_\_init\_\_(self, nama, umur, gaji):

        self.nama = nama

        self.umur = umur

        self.gaji = gaji

    def get\_nama(self):

        return self.nama

    def get\_umur(self):

        return self.umur

    def get\_gaji(self):

        return self.gaji

    def speak(self):

        print(f"{self.nama} speaks")

class Kurir(Ekspedisi):

    def \_\_init\_\_(self, nama, umur, gaji, department):

        super().\_\_init\_\_(nama, umur, gaji)

        self.department = department

    def get\_department(self):

        return self.department

class Datakurir(Ekspedisi):

    def \_\_init\_\_(self, nama, umur, gaji, alamat):

        super().\_\_init\_\_(nama, umur, gaji)

        self.alamat = alamat

    def get\_alamat(self):

        return self.alamat

# Hierarchical Inheritance

class SeniorDatakurir(Datakurir):

    def \_\_init\_\_(self, nama, umur, gaji, alamat, ekspedisi):

        super().\_\_init\_\_(nama, umur, gaji, alamat)

        self.ekspedisi = ekspedisi

    def get\_ekspedisi(self):

        return self.ekspedisi

    def data(self):

        print(f"{self.nama} Berumur {self.umur} tahun berpenghasilan Rp{self.gaji} /Bulan, alamat pengantaran {self.alamat} dengan ekspedisi {self.ekspedisi}.")

        print("="\*54)

Pengunjung = SeniorDatakurir("Rifky Apriliana Arya Putra", 20, 5000.000, "SindangLaut", "JNE")

Pengunjung.data()

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Multilevel

Multilevel 1

#Nama   : Rifky Apriliana Arya Putra

#Kelas  : R1

#NIM    : 210511023

class Perpus:

    def \_\_init\_\_(self, name):

        self.name = name

    def speak(self):

        print(f"{self.name} speaks")

class Penjaga(Perpus):

    def \_\_init\_\_(self, name, nip):

        super().\_\_init\_\_(name)

        self.nip = nip

    def data(self):

        print(f"{self.name} dengan nip {self.nip}")

class Pengunjung(Penjaga):

    def \_\_init\_\_(self, name, nip, alamat):

        super().\_\_init\_\_(name, nip)

        self.alamat = alamat

    def speak(self):

        print(f"{self.name} Beralamatkan {self.alamat} berkunjungjung ke Perpustakaan")

        print("="\*54)

Pengunjung = Pengunjung("Rifky Apriliana Arya Putra", 210511023, "SindangLaut")

Pengunjung.data()

Pengunjung.speak()

Graphical user interface, text, application

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Multilevel 2

#Nama   : Rifky Apriliana Arya Putra

#Kelas  : R1

#NIM    : 210511023

class Perusahaan:

    def \_\_init\_\_(self, name):

        self.name = name

    def speak(self):

        print(f"{self.name} speaks")

class Karyawan(Perusahaan):

    def \_\_init\_\_(self, name, nip):

        super().\_\_init\_\_(name)

        self.nip = nip

    def data(self):

        print(f"{self.name} dengan nip {self.nip}")

class Informasi(Karyawan):

    def \_\_init\_\_(self, name, nip, alamat, sejak):

        super().\_\_init\_\_(name, nip)

        self.alamat = alamat

        self.sejak = sejak

    def speak(self):

        print(f"{self.name} Beralamatkan {self.alamat}, bekerja sejak {self.sejak}")

        print("="\*54)

Informasi = Informasi("Rifky Apriliana Arya Putra", 2105110023, "SindangLaut", 2003)

Informasi.data()

Informasi.speak()

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Multiple

Multiple 1

#Nama       : Rifky Apriliana Arya Putra

#Kelas      : R1

#Nim        : 210511023

class Customer:

    def \_\_init\_\_(self, nama, nim):

        self.nama = nama

        self.nim = nim

    def membeli(self):

        print(self.nama, "sedang membeli paket di aplikasi Oren ")

class Kurir:

    def \_\_init\_\_(self, nama, nim, kurir):

        self.nama = nama

        self.nim = nim

        self.kurir = kurir

    def mengantar(self):

        print(self.nama, "sedang mengantar paket ke kurir", self.kurir)

class CustomerKurir(Customer, Kurir):

    def \_\_init\_\_(self, nama, nim, kurir):

        Customer.\_\_init\_\_(self, nama, nim)

        Kurir.\_\_init\_\_(self, nama, nim, kurir)

    def membayar(self):

        print(self.nama,"dengan NIM", self.nim, "sedang membayar paket ke kurir", self.kurir)

mhs\_kurir = CustomerKurir("Rifky Apriliana Arya Putra", "210511023", "J&T")

mhs\_kurir.membeli()

mhs\_kurir.mengantar()

mhs\_kurir.membayar()

Graphical user interface, text, application

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Multiple 2

#Nama   : Rifky Apriliana Arya Putra

#Kelas  : R1

#NIM    : 210511023

class Orang:

    def \_\_init\_\_(self, nama, umur):

        self.nama = nama

        self.umur = umur

    def display\_info(self):

        print(f"Nama            : {self.nama}")

        print(f"Umur            : {self.umur}")

class Pekerja:

    def \_\_init\_\_(self, pekerjaan, gaji):

        self.pekerjaan = pekerjaan

        self.gaji = gaji

    def display\_info(self):

        print(f"Pekerjaan: {self.pekerjaan}")

        print(f"Gaji: {self.gaji}")

class Pribadi:

    def \_\_init\_\_(self, hobi, alamat):

        self.hobi = hobi

        self.alamat = alamat

    def display\_info(self):

        print(f"Hobi: {self.hobi}")

        print(f"Alamat: {self.alamat}")

class PribadiPekerja(Orang, Pekerja, Pribadi):

    def \_\_init\_\_(self, nama, umur, pekerjaan, gaji, hobi, alamat):

        Orang.\_\_init\_\_(self, nama, umur)

        Pekerja.\_\_init\_\_(self, pekerjaan, gaji)

        Pribadi.\_\_init\_\_(self, hobi, alamat)

    def display\_info(self):

        super().display\_info()

        print(f"Pekerjaan       : {self.pekerjaan}")

        print(f"Gaji            : {self.gaji}")

        print(f"Hobi            : {self.hobi}")

        print(f"Alamat          : {self.alamat}")

pribadi\_pekerjaC = PribadiPekerja("Rifky Apriliana Arya Putra", 20, "IT Programmer", "25 Juta", "Mengedit", "SindangLaut")

pribadi\_pekerjaC.display\_info()

Graphical user interface, text, application

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Single

Single 1

#Nama   : Rifky Apriliana Arya Putra

#Kelas  : R1

#NIM    : 210511023

class Hewan:

    def \_\_init\_\_(self, nama, umur):

        self.nama = nama

        self.umur = umur

    def berbunyi(self):

        print("Burung",self.nama, "Berbunyi")

class Burung(Hewan):

    def \_\_init\_\_(self, nama, umur, jenis\_bulu):

        super().\_\_init\_\_(nama, umur)

        self.jenis\_bulu = jenis\_bulu

    def bersuara(self):

        print("Merdu")

        print("berumur", self.umur, "tahun")

BirdA = Burung("Lovebird", 2, "Merdu")

BirdA.berbunyi()

BirdA.bersuara()

Graphical user interface, text, application

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Single 2

#Nama   : Rifky Apriliana Arya Putra

#Kelas  : R1

#NIM    : 210511023

class Manusia:

    def \_\_init\_\_(self, nama, umur):

        self.nama = nama

        self.umur = umur

    def presentasi(self):

        print(f"{self.nama} sedang presentasi.")

class Dosen(Manusia):

    def \_\_init\_\_(self, nama, umur, nim):

        super().\_\_init\_\_(nama, umur)

        self.nim = nim

    def mengajar(self):

        print(f"{self.nama} berumur {self.umur} Tahun dengan NIM {self.nim}, sedang Belajar.")

dosenA = Dosen("Rifky Apriliana Arya Putra", 20, "210511023")

dosenA.presentasi()

dosenA.mengajar()

Graphical user interface, text, application

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