LAPORAN PRAKTIKUM

PEMROGRAMAN BERORIENTASI OBJEK LANJUT

2023

Prepared By:

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210511112 / TIF21C

NAMA : ALI MABRUR MUBAROK

NIM : 210511112

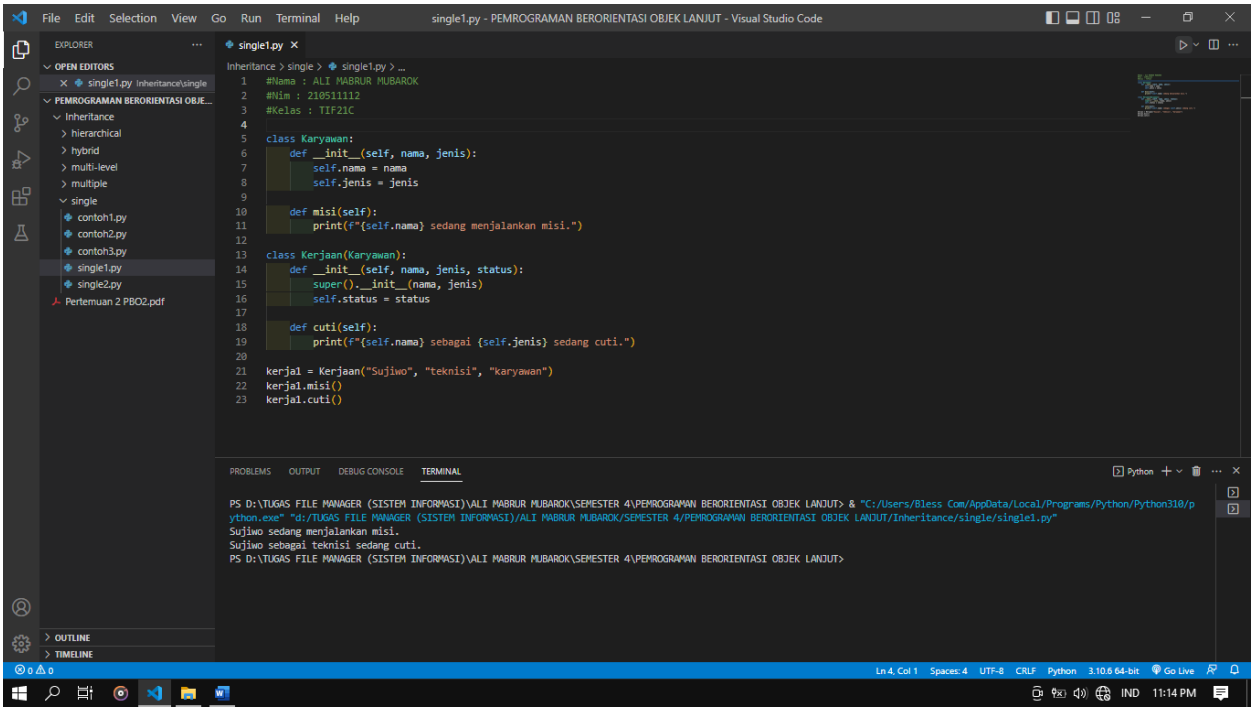
Kelas : TIF21C / R3

Tugas : 2 / Praktikum

1. Single1.py, Single2.py

Single1.py =

```
#Nama : ALI MABRUR MUBAROK
#Nim : 210511112
#Kelas : TIF21C

class Karyawan:
    def __init__(self, nama, jenis):
        self.nama = nama
        self.jenis = jenis

    def misi(self):
        print(f"{self.nama} sedang menjalankan misi.")

class Kerjaan(Karyawan):
    def __init__(self, nama, jenis, status):
        super().__init__(nama, jenis)
        self.status = status

    def cuti(self):
        print(f"{self.nama} sebagai {self.jenis} sedang cuti.")

kerja1 = Kerjaan("Sujiwo", "teknisi", "karyawan")
kerja1.misi()
kerja1.cuti()
```



Single2.py =

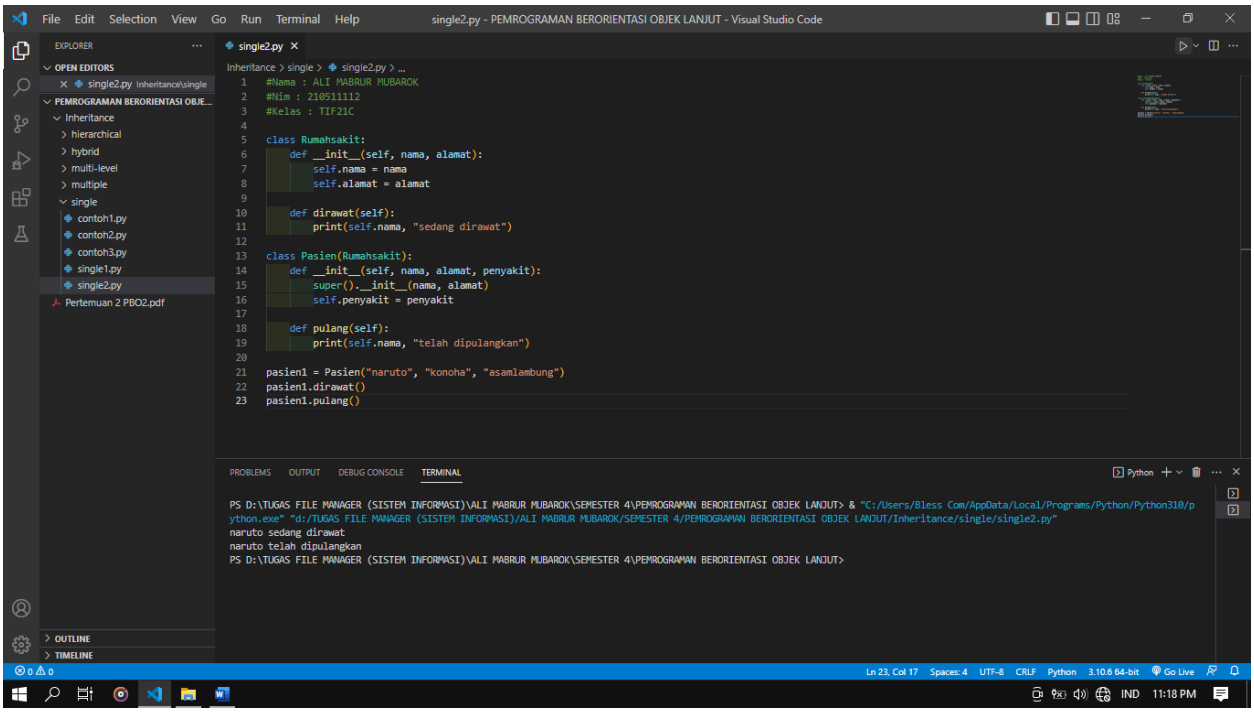
#Nama : ALI MABRUR MUBAROK

#Nim : 210511112

#Kelas : TIF21C

```
class Rumahsakit:
    def __init__(self, nama, alamat):
        self.nama = nama
        self.alamat = alamat

    def dirawat(self):
        print(self.nama, "sedang dirawat")

class Pasien(Rumahsakit):
    def __init__(self, nama, alamat, penyakit):
        super().__init__(nama, alamat)
        self.penyakit = penyakit
```

```
    def pulang(self):
        print(self.nama, "telah dipulangkan")


pasien1 = Pasien("naruto", "konoha", "asamlambung")
pasien1.dirawat()
pasien1.pulang()
```



2. Multiple1.py, Multiple2.py

Multiple1.py =

#Nama : ALI MABRUR MUBAROK

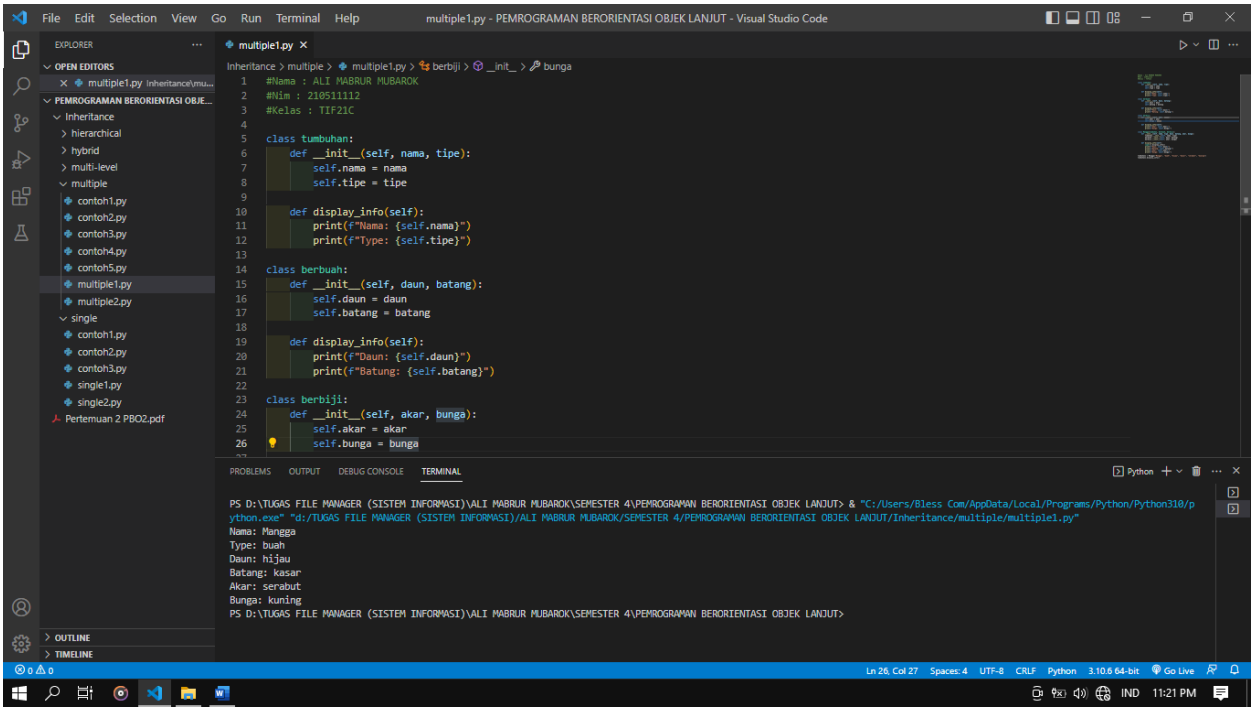
#Nim : 210511112

#Kelas : TIF21C

```
class tumbuhan:
    def __init__(self, nama, tipe):
        self.nama = nama
```

```
        self.tipe = tipe

    def display_info(self):
        print(f"Nama: {self.nama}")
        print(f"Type: {self.tipe}")

class berbuah:
    def __init__(self, daun, batang):
        self.daun = daun
        self.batang = batang

    def display_info(self):
        print(f"Daun: {self.daun}")
        print(f"Batung: {self.batang}")

class berbiji:
    def __init__(self, akar, bunga):
        self.akar = akar
        self.bunga = bunga

    def display_info(self):
        print(f"Akar: {self.Akar}")
        print(f"Bunga: {self.Bunga}")

class Mangga(tumbuhan, berbuah, berbiji):
    def __init__(self, nama, tipe, daun, batang, akar, bunga):
        tumbuhan.__init__(self, nama, tipe)
        berbuah.__init__(self, daun, batang)
        berbiji.__init__(self, akar, bunga)
```

```
    def display_info(self):
        super().display_info()
        print(f"Daun: {self.daun}")
        print(f"Batang: {self.batang}")
        print(f"Akar: {self.akar}")
        print(f"Bunga: {self.bunga}")

tumbuhan1 = Mangga("Mangga", "buah", "hijau", "kasar", "serabut", "kuning")
tumbuhan1.display_info()
```



Multiple2.py =

#Nama : ALI MABRUR MUBAROK

#Nim : 210511112

#Kelas : TIF21C

```
class pakaian:
    def __init__(self, nama, merk):
```

```
        self.nama = nama
        self.merk = merk

    def display_info(self):
        print(f"Nama: {self.nama}")
        print(f"Merk dari: {self.merk}")

class panjang:
    def __init__(self, ukuran, bahan):
        self.ukuran = ukuran
        self.bahan = bahan

    def display_info(self):
        print(f"Ukuran: {self.ukuran}")
        print(f"Bahan: {self.bahan}")

class pendek:
    def __init__(self, genre, harga):
        self.genre = genre
        self.harga = harga

    def display_info(self):
        print(f"Genre: {self.genre}")
        print(f"Harga: {self.harga}")

class Adidas(pakaian, panjang, pendek):
    def __init__(self, nama, merk, ukuran, bahan, genre, harga):
        pakaian.__init__(self, nama, merk)
        panjang.__init__(self, ukuran, bahan)
```

pendek.__init__(self, genre, harga)

def display_info(self):

super().display_info()

print(f"Ukurannya: {self.ukuran}")

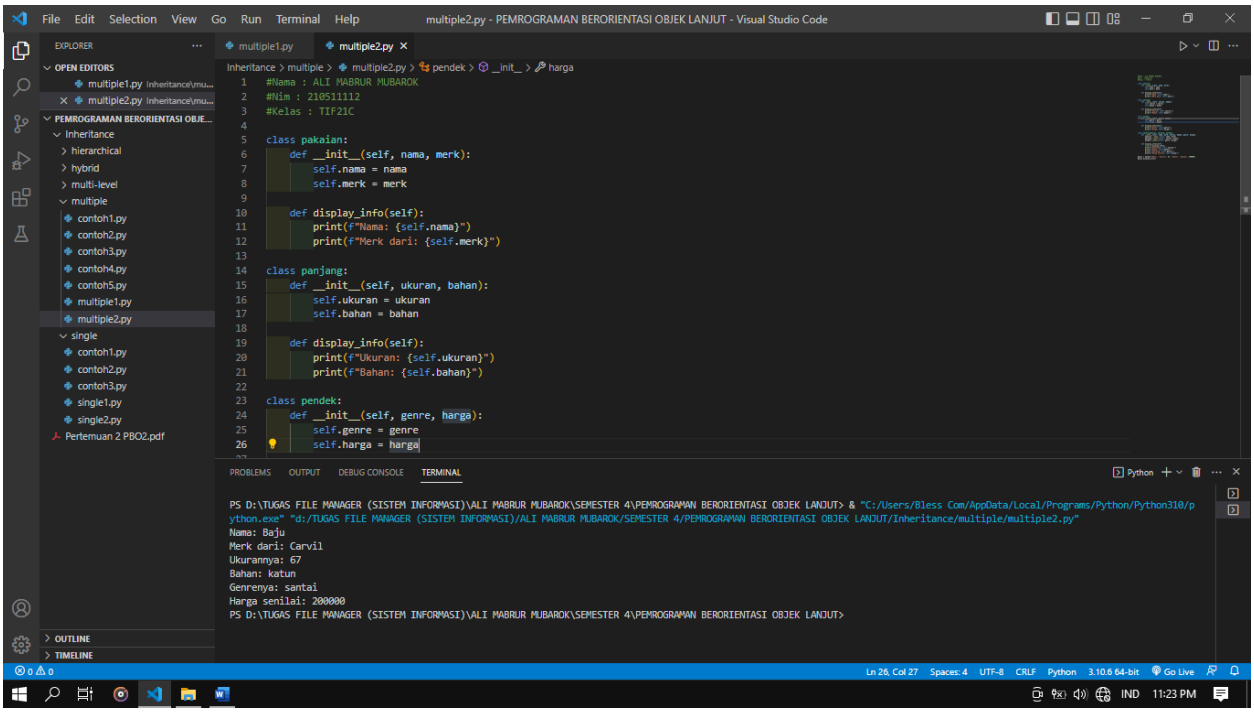
print(f"Bahan: {self.bahan}")

print(f"Genrenya: {self.genre}")

print(f"Harga senilai: {self.harga}")

Baju1 = Adidas("Baju", "Carvil", 67, "katun", "santai", 200000)

Baju1.display_info()



3. Hierarchical1.py , Hierarchical2.py

Hierarchical1.py =

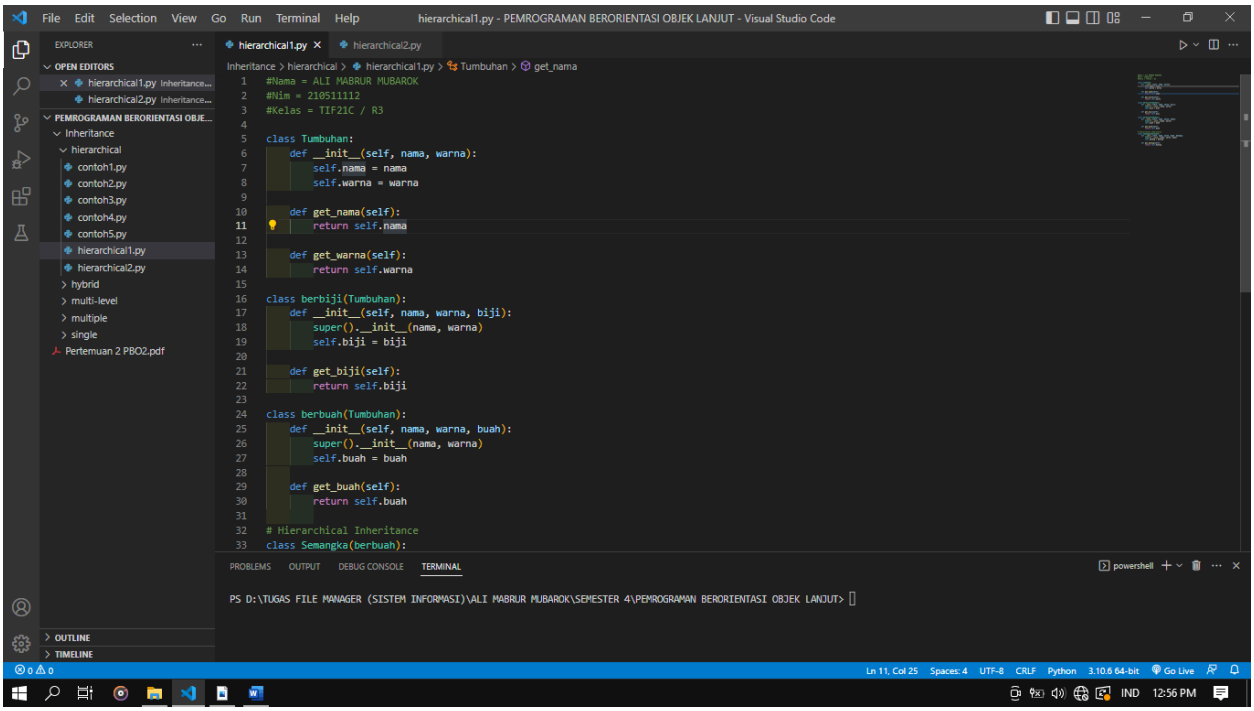
#Nama = ALI MABRUR MUBAROK

#Nim = 210511112

#Kelas = TIF21C / R3

```
class Tumbuhan:
    def __init__(self, nama, warna):
        self.nama = nama
        self.warna = warna

    def get_nama(self):
        return self.nama

    def get_warna(self):
        return self.warna

class berbiji(Tumbuhan):
    def __init__(self, nama, warna, biji):
        super().__init__(nama, warna)
        self.biji = biji

    def get_biji(self):
        return self.biji

class berbuah(Tumbuhan):
    def __init__(self, nama, warna, buah):
        super().__init__(nama, warna)
        self.buah = buah

    def get_buah(self):
        return self.buah

# Hierarchical Inheritance
class Semangka(berbuah):
```

```
    def __init__(self, nama, warna, buah, batang):
        super().__init__(nama, warna, buah)
        self.batang = batang

    def get_batang(self):
        return self.batang
```



Hierarchical2.py =

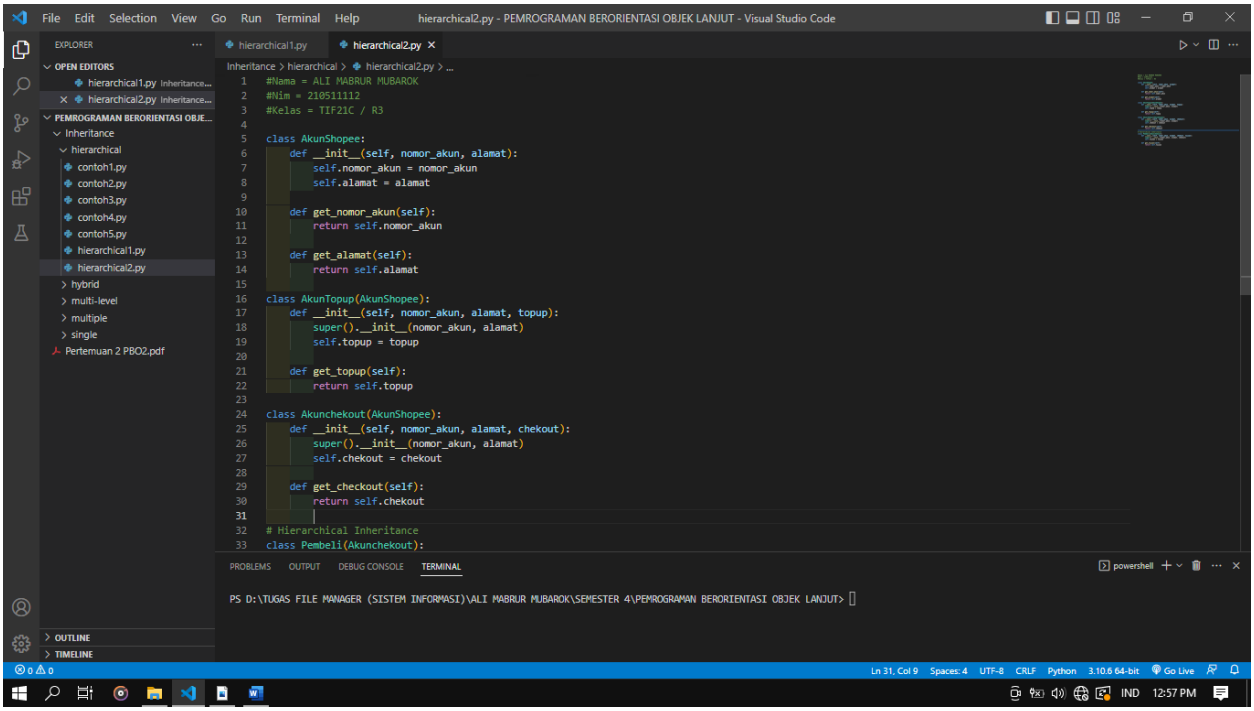
#Nama = ALI MABRUR MUBAROK

#Nim = 210511112

#Kelas = TIF21C / R3

```
class AkunShopee:
    def __init__(self, nomor_akun, alamat):
        self.nomor_akun = nomor_akun
        self.alamat = alamat

    def get_nomor_akun(self):
```

```
        return self.nomor_akun

    def get_alamat(self):
        return self.alamat

class AkunTopup(AkunShopee):
    def __init__(self, nomor_akun, alamat, topup):
        super().__init__(nomor_akun, alamat)
        self.topup = topup

    def get_topup(self):
        return self.topup

class Akunchekout(AkunShopee):
    def __init__(self, nomor_akun, alamat, chekout):
        super().__init__(nomor_akun, alamat)
        self.chekout = chekout

    def get_checkout(self):
        return self.chekout

# Hierarchical Inheritance
class Pembeli(Akunchekout):
    def __init__(self, nomor_akun, alamat, chekout, tujuan):
        super().__init__(nomor_akun, alamat, chekout)
        self.tujuan = tujuan

    def get_tujuan(self):
        return self.tujuan
```



4. Multi-level1.py , Multi-level2.py

Multi-level1.py =

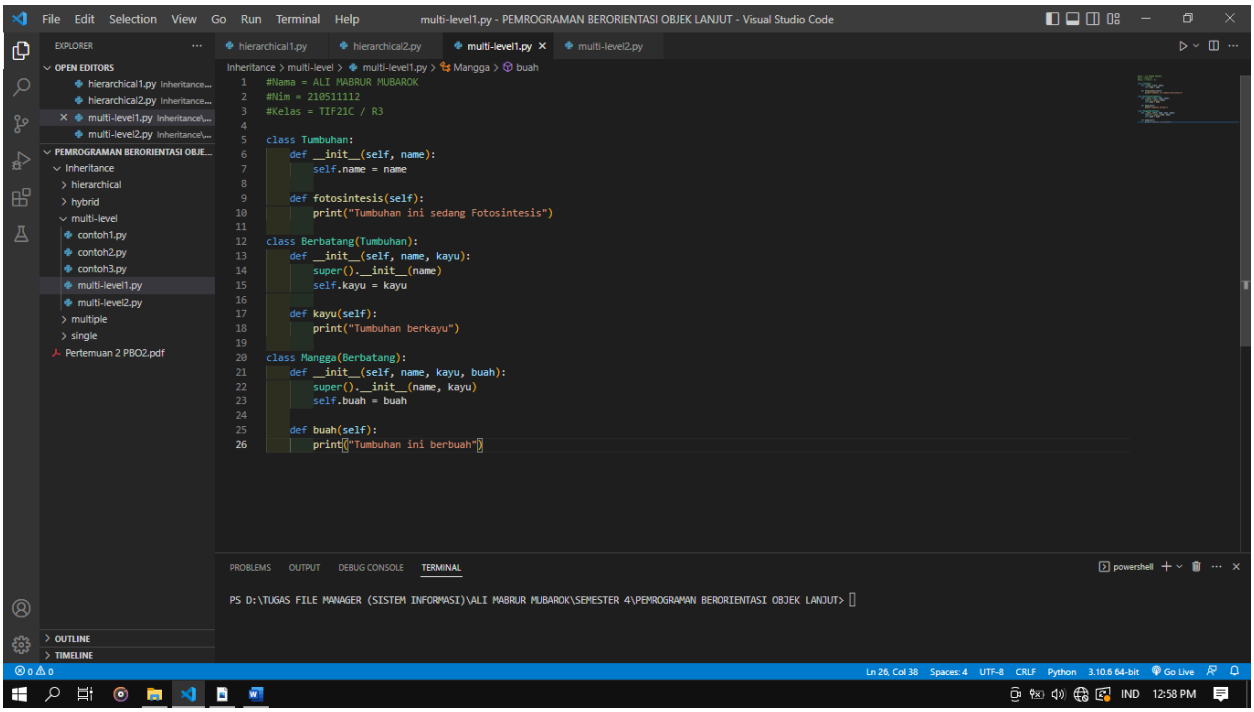
#Nama = ALI MABRUR MUBAROK

#Nim = 210511112

#Kelas = TIF21C / R3

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

    def fotosintesis(self):
        print("Tumbuhan ini sedang Fotosintesis")

class Berbatang(Tumbuhan):
    def __init__(self, name, kayu):
        super().__init__(name)
        self.kayu = kayu
```

```
    def kayu(self):
        print("Tumbuhan berkayu")


class Mangga(Berbatang):
    def __init__(self, name, kayu, buah):
        super().__init__(name, kayu)
        self.buah = buah


    def buah(self):
        print("Tumbuhan ini berbuah")
```



Multi-level2.py =

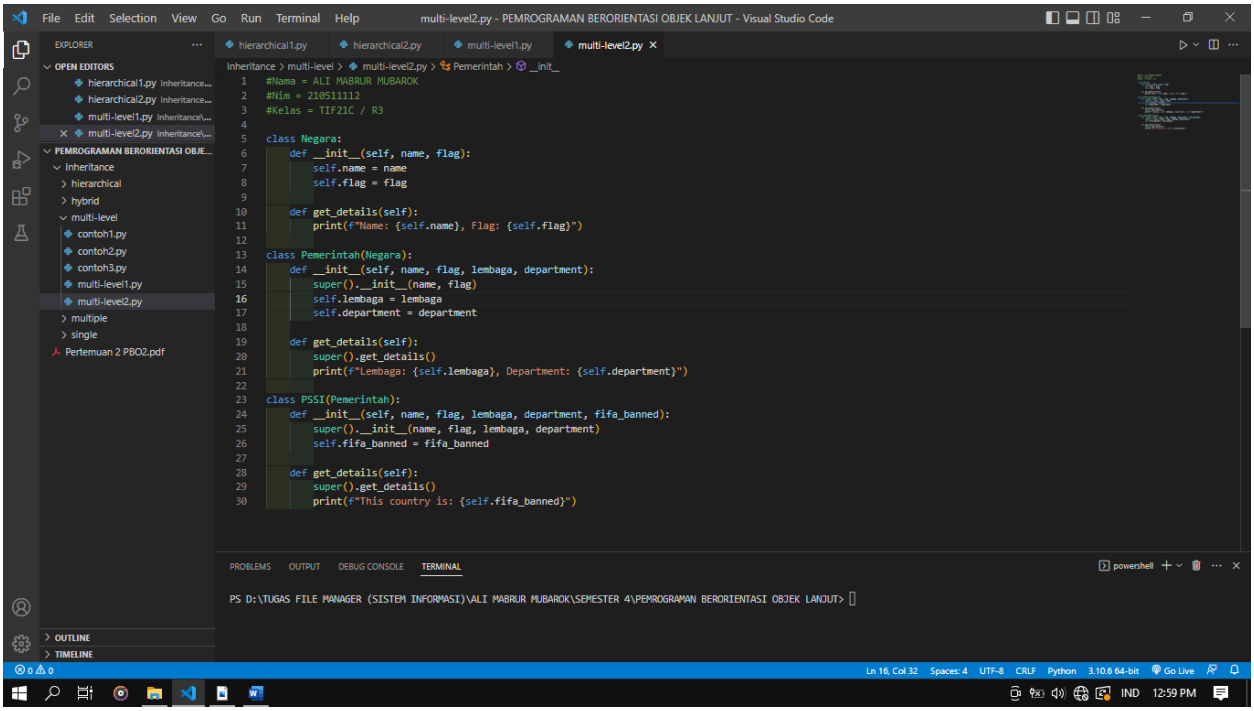
#Nama = ALI MABRUR MUBAROK

#Nim = 210511112

#Kelas = TIF21C / R3

```
class Negara:
```

```
    def __init__(self, name, flag):
        self.name = name
        self.flag = flag

    def get_details(self):
        print(f"Name: {self.name}, Flag: {self.flag}")

class Pemerintah(Negara):
    def __init__(self, name, flag, lembaga, department):
        super().__init__(name, flag)
        self.lembaga = lembaga
        self.department = department

    def get_details(self):
        super().get_details()
        print(f"Lembaga: {self.lembaga}, Department: {self.department}")

class PSSI(Pemerintah):
    def __init__(self, name, flag, lembaga, department, fifa_banned):
        super().__init__(name, flag, lembaga, department)
        self.fifa_banned = fifa_banned

    def get_details(self):
        super().get_details()
        print(f"This country is: {self.fifa_banned}")
```



5. Hybrid1.py , Hybrid2.py

Hybrid1.py =

#Nama = ALI MABRUR MUBAROK

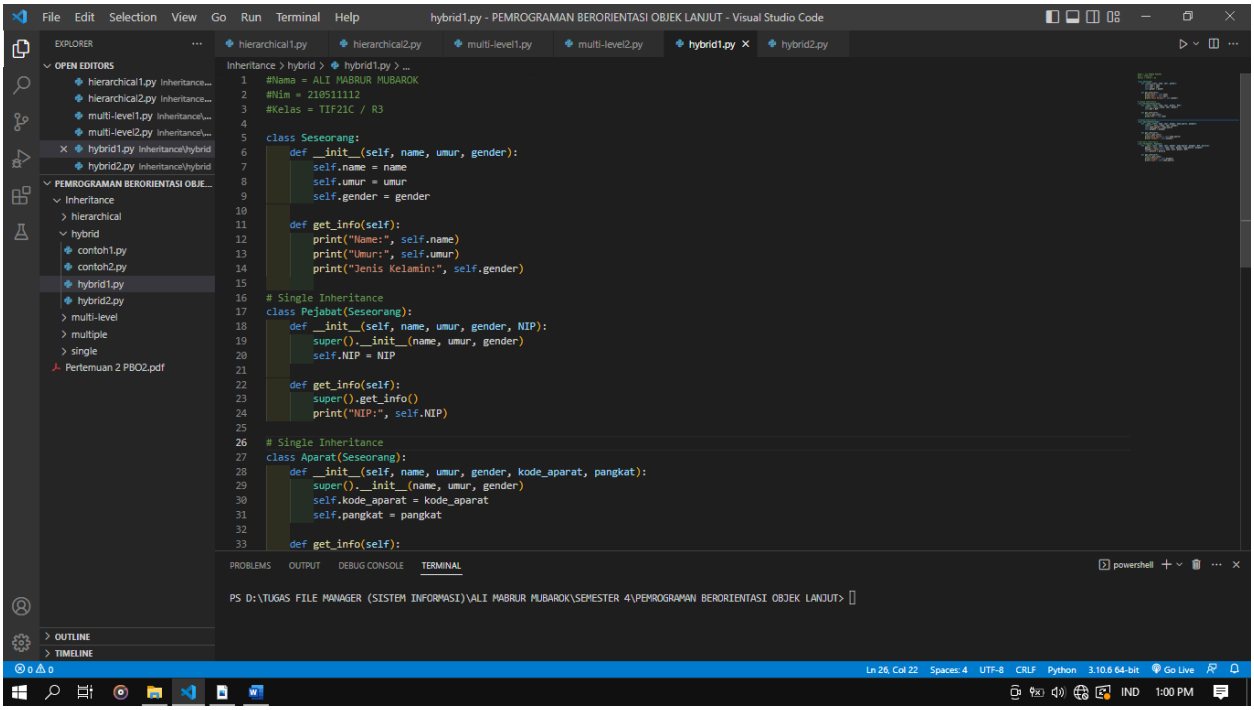
#Nim = 210511112

#Kelas = TIF21C / R3

```
class Seseorang:
    def __init__(self, name, umur, gender):
        self.name = name
        self.umur = umur
        self.gender = gender

    def get_info(self):
        print("Name:", self.name)
        print("Umur:", self.umur)
        print("Jenis Kelamin:", self.gender)
```

```
# Single Inheritance
class Pejabat(Seseorang):
    def __init__(self, name, umur, gender, NIP):
        super().__init__(name, umur, gender)
        self.NIP = NIP

    def get_info(self):
        super().get_info()
        print("NIP:", self.NIP)

# Single Inheritance
class Aparat(Seseorang):
    def __init__(self, name, umur, gender, kode_aparat, pangkat):
        super().__init__(name, umur, gender)
        self.kode_aparat = kode_aparat
        self.pangkat = pangkat

    def get_info(self):
        super().get_info()
        print("Kode Aparat:", self.kode_aparat)
        print("Pangkat:", self.pangkat)

# Multiple Inheritance
class Tni(Aparat, Pejabat):
    def __init__(self, name, umur, gender, kode_aparat, pangkat, NIP, perwira):
        Aparat.__init__(self, name, umur, gender, kode_aparat, pangkat)
        Pejabat.__init__(self, name, umur, gender, NIP)
        self.perwira = perwira
```

```
    def get_info(self):
        super().get_info()
        print("Pangkat:", self.pangkat)
        print("kode:", self.kode_aparat)
```



Hybrid2.py =

```
#Nama = ALI MABRUR MUBAROK
#Nim = 210511112
#Kelas = TIF21C / R3


class Tumbuhan:
    def __init__(self, name, age, color):
        self.name = name
        self.age = age
        self.color = color

    def get_info(self):
        print("Name:", self.name)
```

```
        print("Age:", self.age)
        print("Color:", self.color)

# Single Inheritance
class Berbatang(Tumbuhan):
    def __init__(self, name, age, color, berkayu):
        super().__init__(name, age, color)
        self.berkayu = berkayu

    def get_info(self):
        super().get_info()
        print("Berbatang:", self.berkayu)

# Single Inheritance
class Berongga(Tumbuhan):
    def __init__(self, name, age, color, jenis, daun):
        super().__init__(name, age, color)
        self.jenis = jenis
        self.daun = daun

    def get_info(self):
        super().get_info()
        print("jenis :", self.jenis)
        print("Berdaun :", self.daun)

# Multiple Inheritance
class Padi(Berongga, Berbatang):
    def __init__(self, name, age, color, jenis, daun, berkayu, panen):
        Berongga.__init__(self, name, age, color, jenis, daun)
```

Berbatang.__init__(self, name, age, color, berkayu)

self.panen = panen

def get_info(self):

super().get_info()

print("Berbatang :", self.berkayu)

print("Dipanen Pada :", self.panen)