Muhamad Nairul Ramandhika

R1

210511040
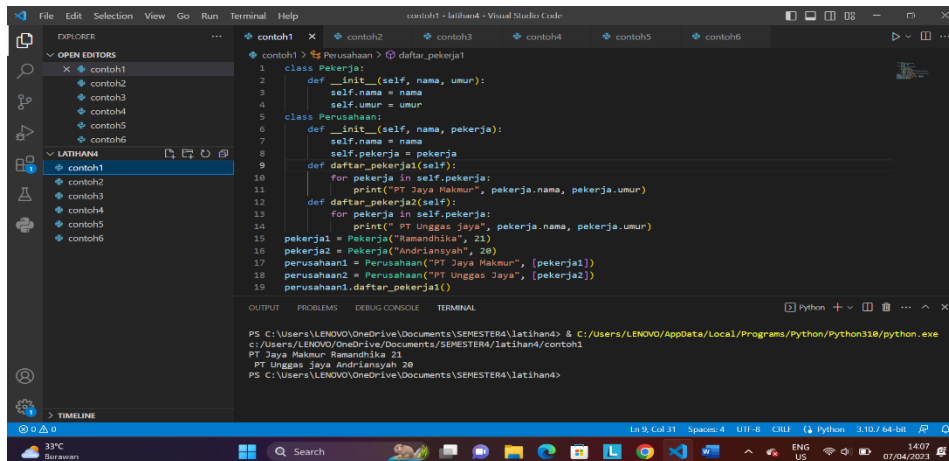
Latihan4 PBO

Contoh1

Script:

```python
class Pekerja:
    def __init__(self, nama, umur):
        self.nama = nama
        self.umur = umur
class Perusahaan:
    def __init__(self, nama, pekerja):
        self.nama = nama
        self.pekerja = pekerja
    def daftar_pekerja1(self):
        for pekerja in self.pekerja:
            print("PT Jaya Makmur", pekerja.nama, pekerja.umur)
    def daftar_pekerja2(self):
        for pekerja in self.pekerja:
            print(" PT Unggas jaya", pekerja.nama, pekerja.umur)
pekerja1 = Pekerja("Ramandhika", 21)
pekerja2 = Pekerja("Andriansyah", 20)
perusahaan1 = Perusahaan("PT Jaya Makmur", [pekerja1])
perusahaan2 = Perusahaan("PT Unggas Jaya", [pekerja2])
perusahaan1.daftar_pekerja1()
perusahaan2.daftar_pekerja2()
```

Hasil Running Program:

Contoh 2
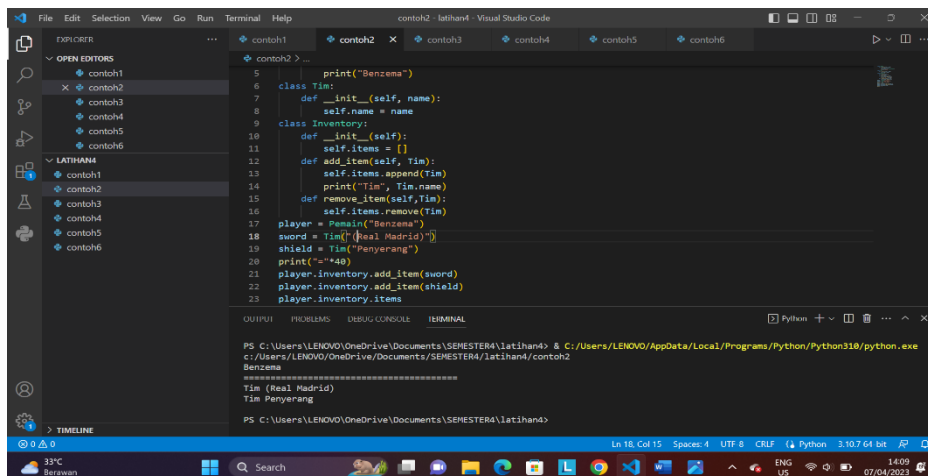
Script:

```python
class Pemain:
    def __init__(self, name):
        self.name = name
        self.inventory = Inventory()
        print("Benzema")
class Tim:
    def __init__(self, name):
        self.name = name
class Inventory:
    def __init__(self):
        self.items = []
    def add_item(self, Tim):
        self.items.append(Tim)
        print("Tim", Tim.name)
    def remove_item(self,Tim):
        self.items.remove(Tim)
player = Pemain("Benzema")
sword = Tim("(Real Madrid)")
shield = Tim("Penyerang")
print("="*40)
player.inventory.add_item(sword)
player.inventory.add_item(shield)
player.inventory.items
print(" ")
```

Hasil Running Program:

Contoh3

Script:

```python
class Menu:
    def __init__(self, dishes=None):
        if dishes is None:
            self.dishes = []
        else:
            self.dishes = dishes
    def add_dish(self, dish):
        self.dishes.append(dish)
        print("Menu", dish.name, dish.price)
class Dish:
    def __init__(self, name, price):
        self.name = name
        self.price = price
        self.menu = Menu()
class Restaurant:
    def __init__(self, name, menu):
        self.name = name
        self.menu = menu
        print("Warung Bakso")
dish1 = Dish("Bakso Mercon ", 16000)
dish2 = Dish("Bakso Telor", 15000)
menu = Menu([dish1, dish2])
restaurant = Restaurant("Warung Bakso", menu)
print("="*40)
restaurant.menu.add_dish(dish1)
restaurant.menu.add_dish(dish2)
restaurant.menu.dishes
```
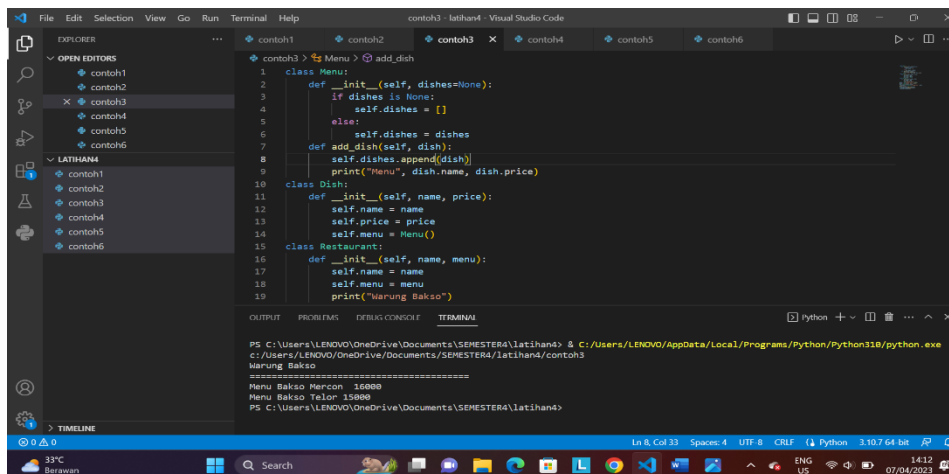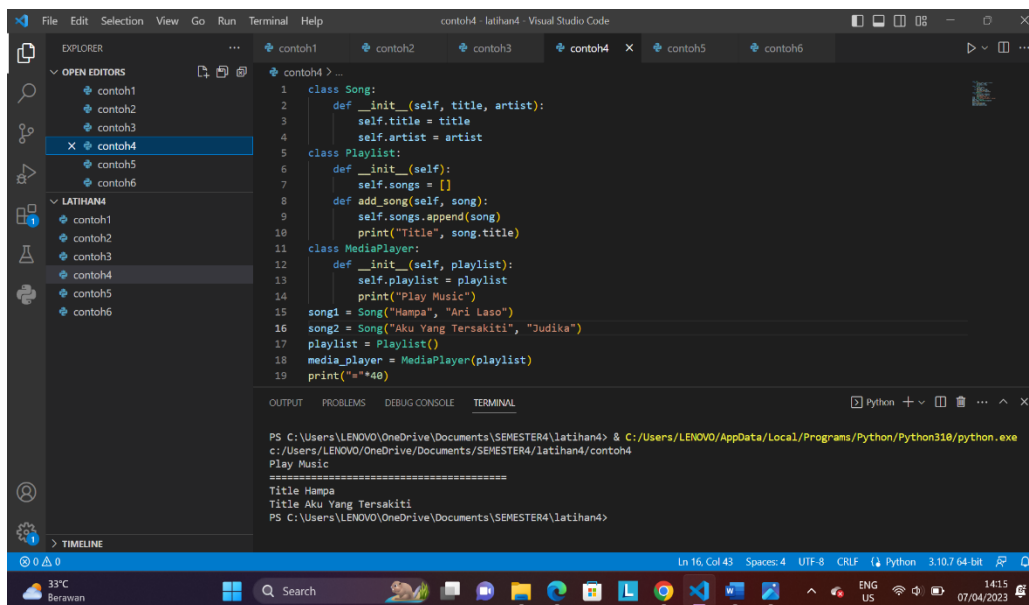
Hasil Running Program:

Contoh4

Script:

```python
class Song:
    def __init__(self, title, artist):
        self.title = title
        self.artist = artist
class Playlist:
    def __init__(self):
        self.songs = []
    def add_song(self, song):
        self.songs.append(song)
        print("Title", song.title)
class MediaPlayer:
    def __init__(self, playlist):
        self.playlist = playlist
        print("Play Music")
song1 = Song("Hampa", "Ari Laso")
song2 = Song("Aku Yang Tersakiti", "Judika")
playlist = Playlist()
media_player = MediaPlayer(playlist)
print("="*40)
playlist.add_song(song1)
playlist.add_song(song2)
media_player.playlist.songs
```

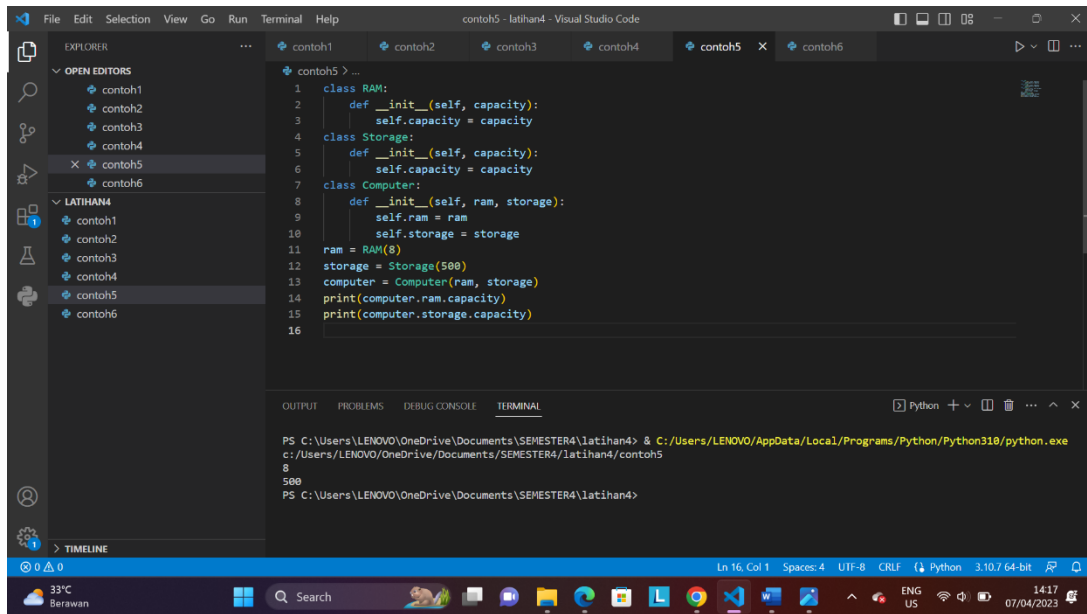Hasil Running Program:

Contoh5

Script:

```python
class RAM:
    def __init__(self, capacity):
        self.capacity = capacity
class Storage:
    def __init__(self, capacity):
        self.capacity = capacity
class Computer:
    def __init__(self, ram, storage):
        self.ram = ram
        self.storage = storage
ram = RAM(8)
storage = Storage(500)
computer = Computer(ram, storage)
print(computer.ram.capacity)
print(computer.storage.capacity)
```
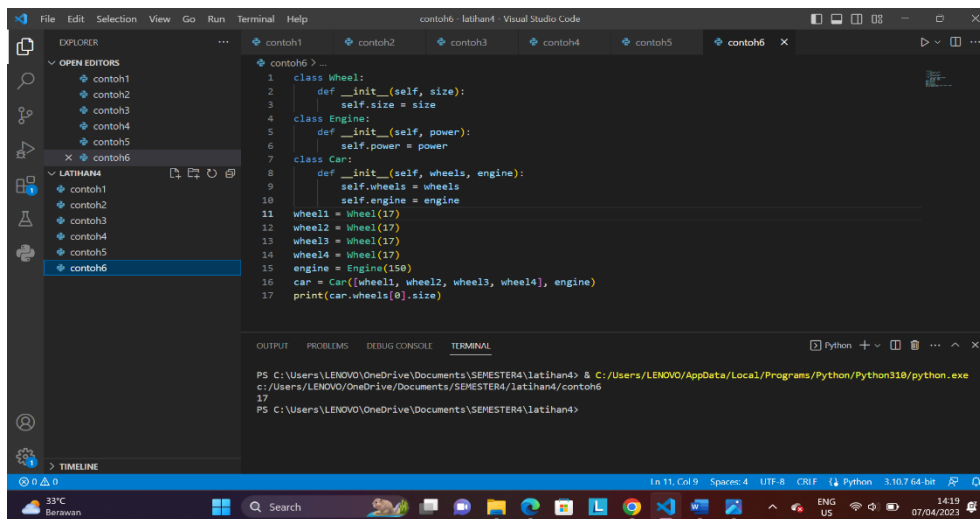
Hasil Running program:

Contoh6

Script:

```python
class Wheel:
    def __init__(self, size):
        self.size = size
class Engine:
    def __init__(self, power):
        self.power = power
class Car:
    def __init__(self, wheels, engine):
        self.wheels = wheels
        self.engine = engine
wheel1 = Wheel(17)
wheel2 = Wheel(17)
wheel3 = Wheel(17)
wheel4 = Wheel(17)
engine = Engine(150)
car = Car([wheel1, wheel2, wheel3, wheel4], engine)
print(car.wheels[0].size)
```

Hasil Running Program: