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Nim : 210511026
Kelas : R1

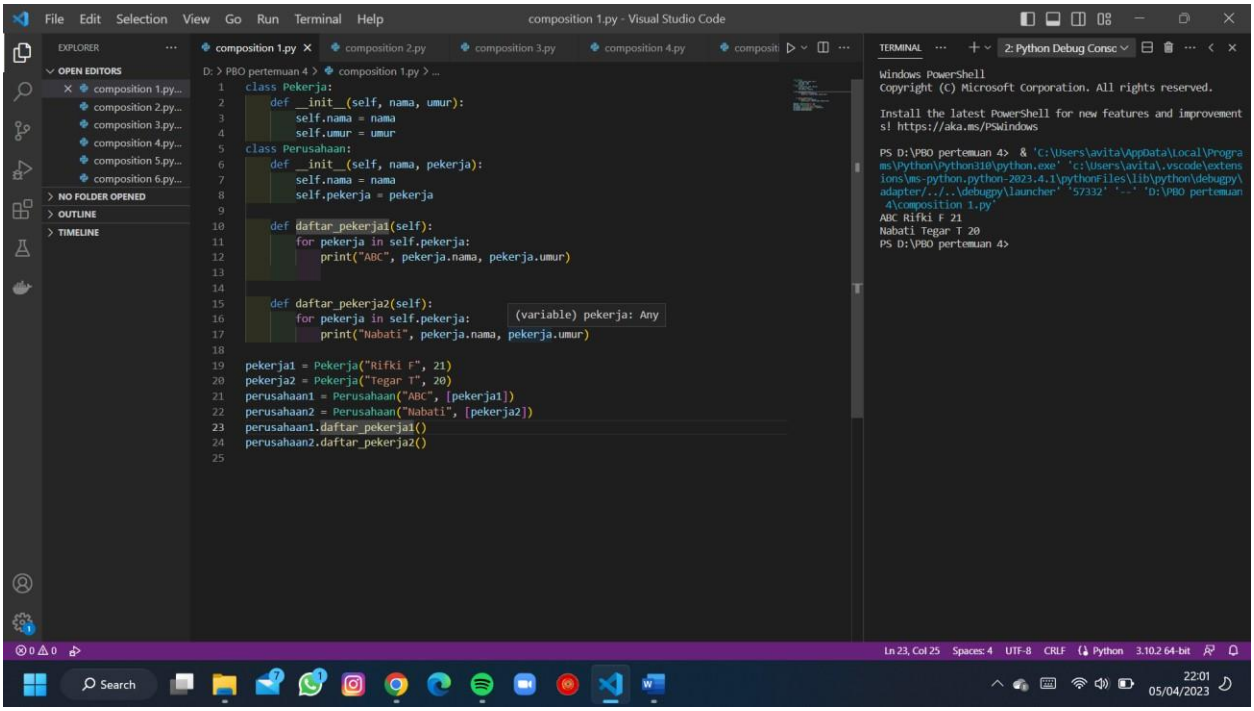
PBO2 Latihan 4

Contoh 1

Script:

```
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("ABC", pekerja.nama, pekerja.umur)


    def daftar_pekerja2(self):
        for pekerja in self.pekerja:
            print("Nabati", pekerja.nama, pekerja.umur)

pekerja1 = Pekerja("Rifki F", 21)
pekerja2 = Pekerja("Tegar T", 20)
perusahaan1 = Perusahaan("ABC", [pekerja1])
perusahaan2 = Perusahaan("Nabati", [pekerja2])
perusahaan1.daftar_pekerja1()
perusahaan2.daftar_pekerja2()
```

Hasil Running Program

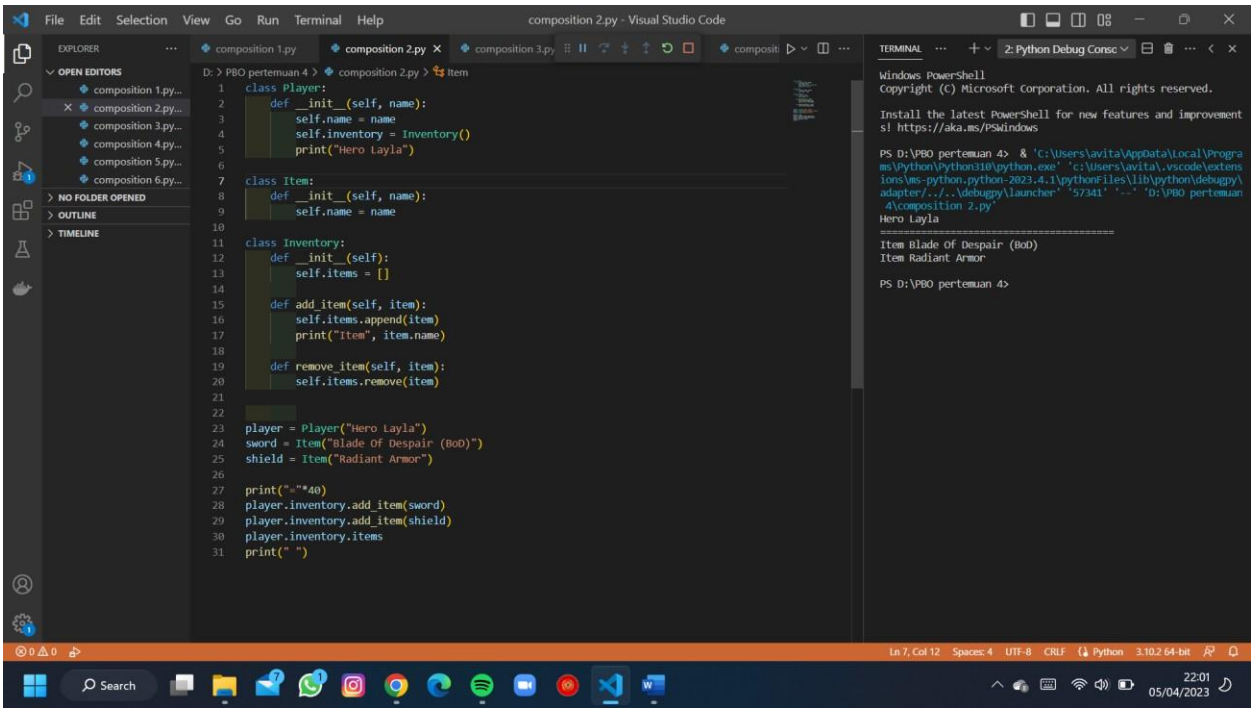

File Edit Selection View Go Run Terminal Help
composition 1.py - Visual Studio Code
EXPLORER
OPEN EDITORS
composition 1.py...
composition 2.py...
composition 3.py...
composition 4.py...
composition 5.py...
composition 6.py...
NO FOLDER OPENED
OUTLINE
TIMELINE
composition 1.py
composition 2.py
composition 3.py
composition 4.py
D: > PBO pertemuan 4 > composition 1.py > ...
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("ABC", pekerja.nama, pekerja.umur)
def daftar_pekerja2(self):
for pekerja in self.pekerja:
(variable) pekerja: Any
print("Nabati", pekerja.nama, pekerja.umur)
pekerja1 = Pekerja("Rifki F", 21)
pekerja2 = Pekerja("Tegar T", 20)
perusahaan1 = Perusahaan("ABC", [pekerja1])
perusahaan2 = Perusahaan("Nabati", [pekerja2])
perusahaan1.daftar_pekerja1()
perusahaan2.daftar_pekerja2()
TERMINAL
2: Python Debug Consc
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.
Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows
PS D:\PBO pertemuan 4> & 'C:\Users\avita\AppData\Local\Programs\Python\Python310\python.exe' 'c:\Users\avita\.vscode\extensions\ms-python.python-2023.4.1\pythonFiles\lib\python\debugpy\adapter/../..\debugpy\launcher' '57332' '--' 'D:\PBO pertemuan 4\composition 1.py'
ABC Rifki F 21
Nabati Tegar T 20
PS D:\PBO pertemuan 4>
Ln 23, Col 25 Spaces: 4 UTF-8 CRLF Python 3.10.2 64-bit
Search
22:01
05/04/2023

Contoh 2

Script:

```
class Player:
    def__init__(self, name):
        self.name = name
        self.inventory = Inventory()
        print("Hero Layla")

class Item:
    def_init_(self, name):
        self.name = name

class Inventory:
    def_init_(self):
        self.items = []

    def add_item(self, item):
        self.items.append(item)
        print("Item", item.name)

    def remove_item(self, item):
        self.items.remove(item)


player = Player("Hero Layla")
sword = Item("Blade Of Despair (BoD)")
shield = Item("Radiant Armor")

print("="*40)
player.inventory.add_item(sword)
player.inventory.add_item(shield)
player.inventory.items
print(" ")
```

Hasil Running Program

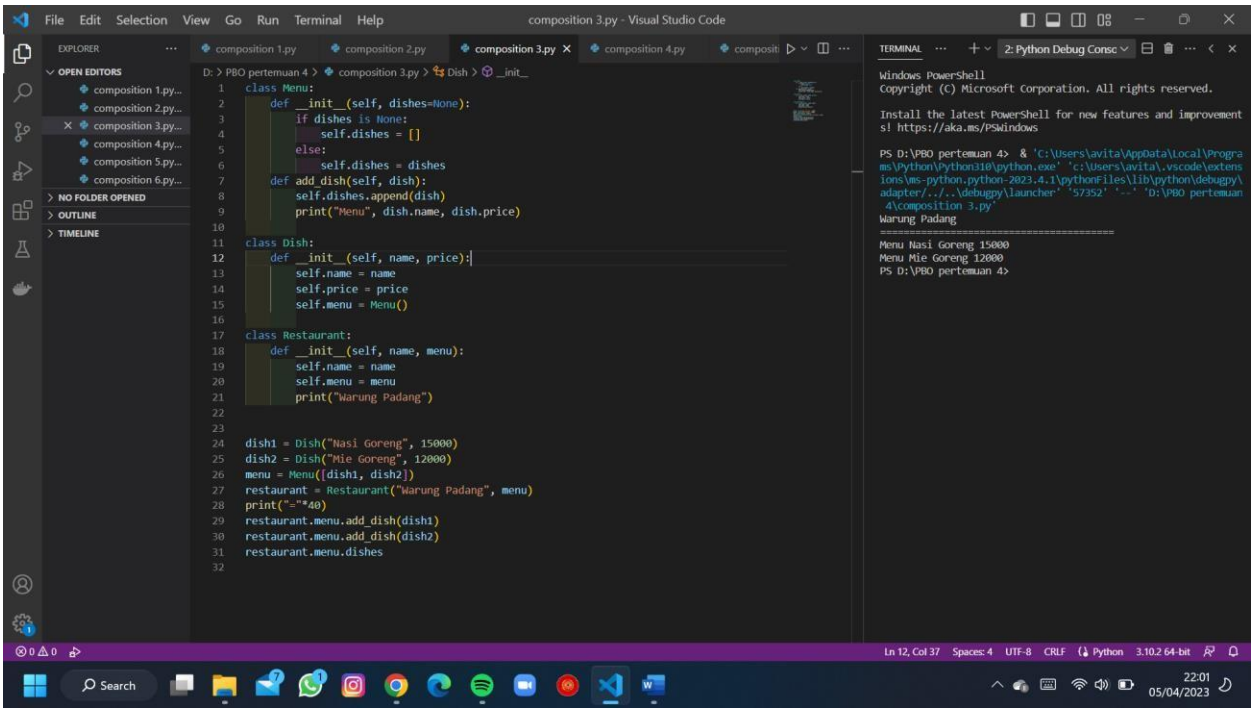


Contoh 3

Script:

```
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 Padang")


dish1 = Dish("Nasi Goreng", 15000)
dish2 = Dish("Mie Goreng", 12000)
menu = Menu([dish1, dish2])
restaurant = Restaurant("Warung Padang", menu)
print("="*40)
restaurant.menu.add_dish(dish1)
restaurant.menu.add_dish(dish2)
restaurant.menu.dishes
```

Hasil Running Program

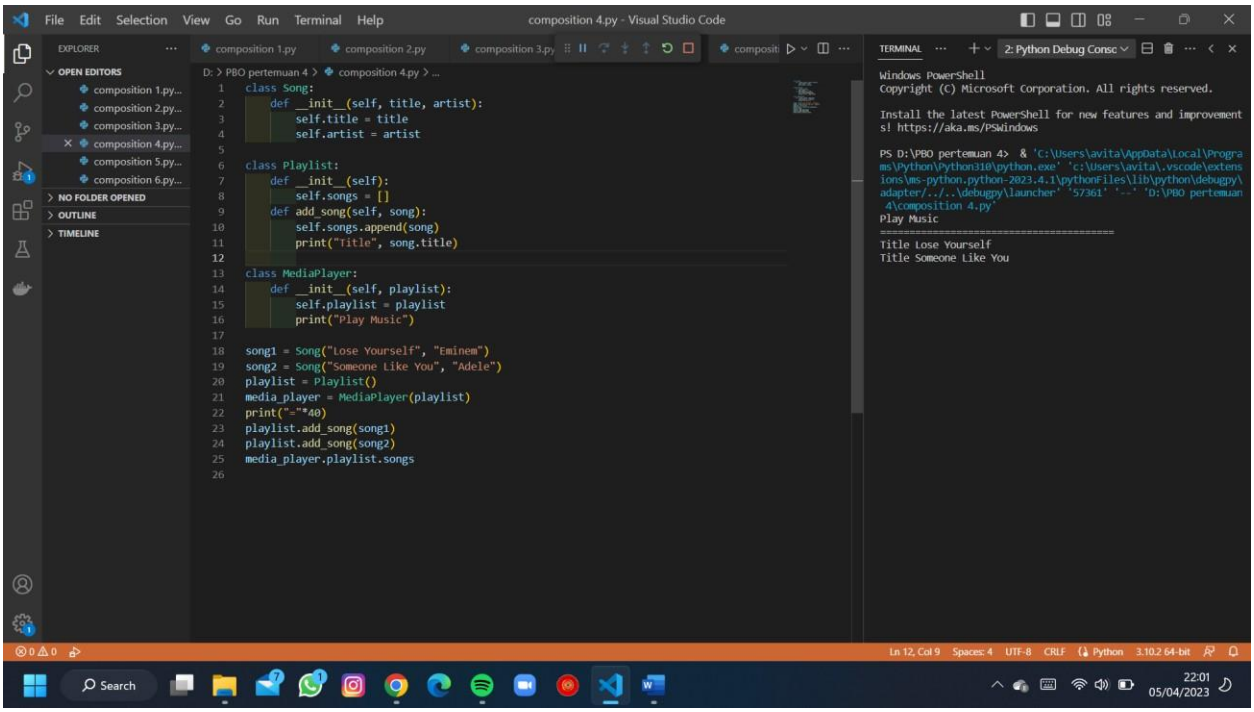


Contoh 4

Script:

```
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("Lose Yourself", "Eminem")
song2 = Song("Someone Like You", "Adele")
playlist = Playlist()
media_player = MediaPlayer(playlist)
print("="*40)
playlist.add_song(song1)
playlist.add_song(song2)
media_player.playlist.songs
```

Hasil Running Program

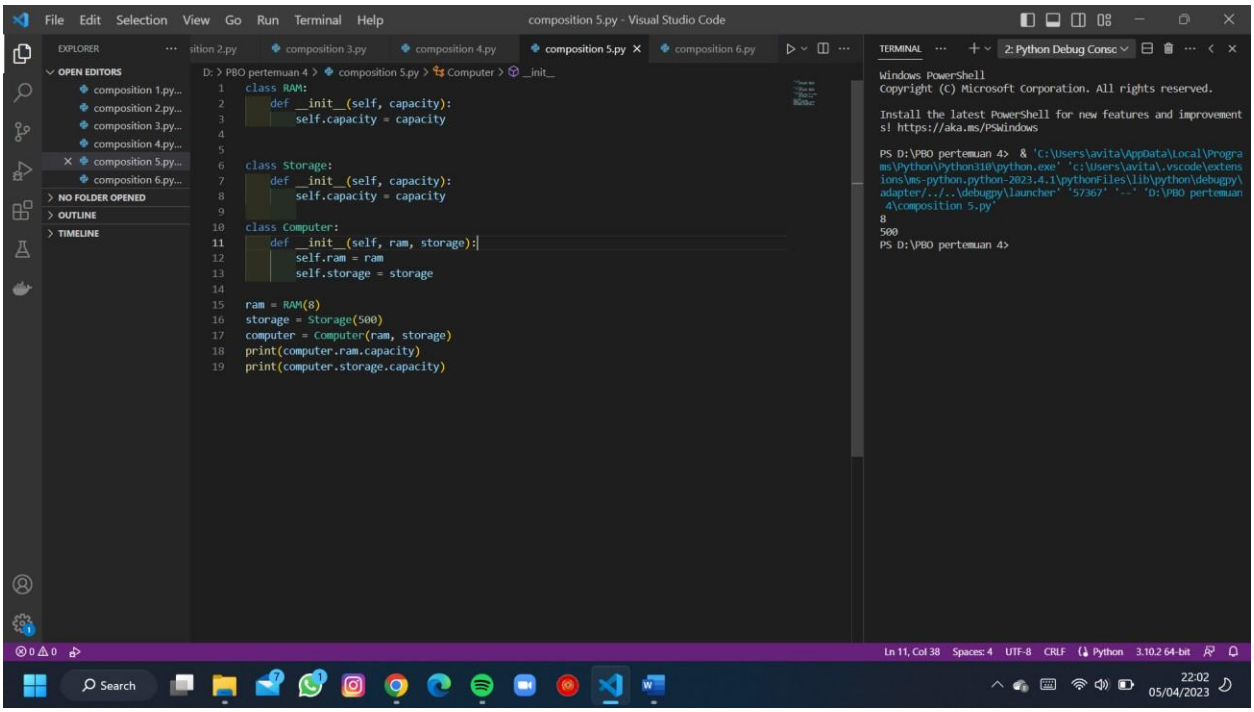


Contoh 5

Script:

```
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



Contoh 6

Script:

```
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