

Muhamad Nairul Ramandhika

R1

210511040

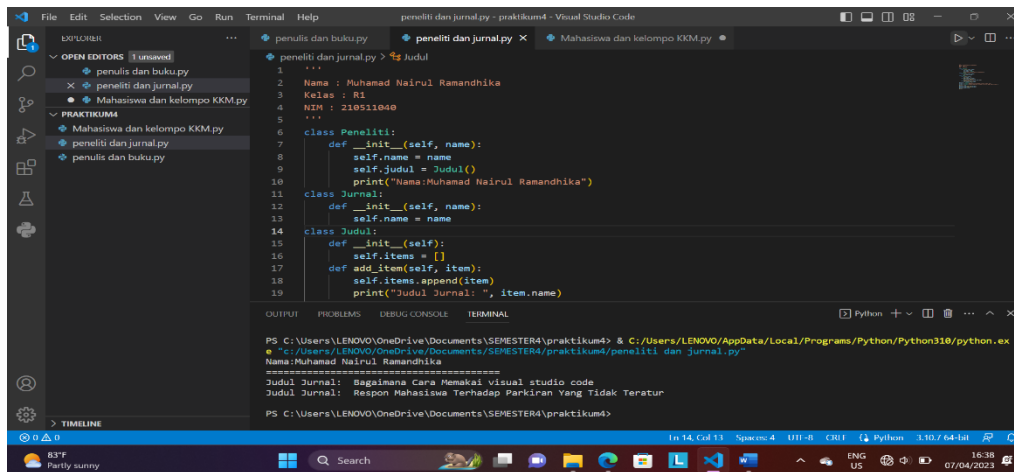
Praktikum 4 PBO

Composition Peneliti Dan Jurnal

Script:

```
'''
Nama : Muhamad Nairul Ramandhika
Kelas : R1
NIM : 210511040
'''
class Peneliti:
    def __init__(self, name):
        self.name = name
        self.judul = Judul()
        print("Nama:Muhamad Nairul Ramandhika")
class Jurnal:
    def __init__(self, name):
        self.name = name
class Judul:
    def __init__(self):
        self.items = []
    def add_item(self, item):
        self.items.append(item)
        print("Judul Jurnal: ", item.name)
    def remove_item(self, item):
        self.items.remove(item)
peneliti = Peneliti(" ")
jurnal1 = Jurnal("Bagaimana Cara Memakai visual studio code")
jurnal2 = Jurnal("Respon Mahasiswa Terhadap Parkiran Yang Tidak Teratur")
print("="*40)
peneliti.judul.add_item(jurnal1)
peneliti.judul.add_item(jurnal2)
peneliti.judul.items
print(" ")
```

Hasil Running Program:



The screenshot shows the Visual Studio Code interface. The editor has three tabs: 'peneliti dan jurnal.py', 'Mahasiswa dan kelompok KKM.py', and 'penulis dan buku.py'. The active tab is 'peneliti dan jurnal.py', which contains a Python script. The script defines three classes: 'Peneliti', 'Jurnal', and 'Judul'. The 'Peneliti' class has an '__init__' method that takes a 'name' parameter and prints the name. The 'Jurnal' class has an '__init__' method that takes a 'name' parameter. The 'Judul' class has an '__init__' method that takes a 'name' parameter and an 'add_item' method that appends an item to a list. The script also includes a main block that creates a 'Peneliti' object, a 'Jurnal' object, and a 'Judul' object, and then calls the 'add_item' method on the 'Judul' object.

```
1 '''
2 Nama : Muhamad Nairul Ramandhika
3 Kelas : R1
4 NIM : 210511040
5 '''
6 class Peneliti:
7     def __init__(self, name):
8         self.name = name
9         self.judul = Judul()
10        print("Nama:Muhamad Nairul Ramandhika")
11
12 class Jurnal:
13     def __init__(self, name):
14         self.name = name
15
16 class Judul:
17     def __init__(self):
18         self.items = []
19     def add_item(self, item):
20         self.items.append(item)
21         print("Judul Jurnal: ", item.name)
```

The output window shows the following text:

```
PS C:\Users\LENOVO\OneDrive\Documents\SEMESTER4\praktikum4> & C:/Users/LENOVO/AppData/Local/Programs/Python/Python310/python.exe
"e:/Users/LENOVO/OneDrive/Documents/SEMESTER4/praktikum4/peneliti dan jurnal.py"
Nama:Muhamad Nairul Ramandhika
=====
Judul Jurnal: Bagaimana Cara Memakai visual studio code
Judul Jurnal: Respon Mahasiswa Terhadap Parkiran Yang Tidak Teratur
PS C:\Users\LENOVO\OneDrive\Documents\SEMESTER4\praktikum4>
```

Composition Mahasiswa Dan kelompok KKM

Script:

```
'''
Nama : Muhamad Nairul Ramandhika
Kelas : R1
NIM : 210511040
'''
class Mahasiswa:
    def __init__(self, name):
        self.name = name
        self.anggota = Anggota()
        print("Daftar Nama Mahasiswa Kelompok KKM")
class Kelompok_KKM:
    def __init__(self, name):
        self.name = name
class Anggota:
    def __init__(self):
        self.items = []
    def add_item1(self, item):
        self.items.append(item)
        print("Kelompok 1: ", item.name)
    def add_item2(self, item):
        self.items.append(item)
        print("Kelompok 2: ", item.name)
    def remove_item(self, item):
        self.items.remove(item)
mahasiswa = Mahasiswa(" ")
kel1 = Kelompok_KKM("M.Nairul Ramandhika, Aru Rohman, Dian Nugraha.")
```

```

kel2 = Kelompok_KKM("Restu Kipli , Dwi Aditya, Tio Firmansyah.")
print("="*40)
mahasiswa.anggota.add_item1(kel1)
mahasiswa.anggota.add_item2(kel2)
mahasiswa.anggota.items
print(" ")

```

Hasil Running Program:

The screenshot shows a Visual Studio Code window with a file named 'Mahasiswa dan kelompok KKM.py'. The code defines two classes: 'Mahasiswa' and 'Kelompok_KKM'. The 'Mahasiswa' class has an 'anggota' attribute of type 'Anggota'. The 'Kelompok_KKM' class has an 'items' attribute of type 'Anggota'. The 'Anggota' class has methods 'add_item1', 'add_item2', and 'remove_item'. The terminal output shows the execution of the script, displaying the names of the students in each group.

```

class Mahasiswa:
    def __init__(self, name):
        self.name = name
        self.anggota = Anggota()
    print("Daftar Nama Mahasiswa Kelompok KKM")

class Kelompok_KKM:
    def __init__(self, name):
        self.name = name

class Anggota:
    def __init__(self):
        self.items = []
    def add_item1(self, item):
        self.items.append(item)
    print("Kelompok 1: ", item.name)
    def add_item2(self, item):
        self.items.append(item)
    print("Kelompok 2: ", item.name)
    def remove_item(self, item):
        self.items.remove(item)

```

```

PS C:\Users\LENOVO\OneDrive\Documents\SEMESTER4\praktikum4> & C:/Users/LENOVO/AppData/Local/Programs/Python/Python318/python.exe
C:/Users/LENOVO/OneDrive/Documents/SEMESTER4/praktikum4/Mahasiswa dan kelompok KKM.py
Daftar Nama Mahasiswa Kelompok KKM
Kelompok 1: M.Nairul Ramandhika, Aru Rohman, Dian Nugraha.
Kelompok 2: Restu Kipli , Dwi Aditya, Tio Firmansyah.
PS C:\Users\LENOVO\OneDrive\Documents\SEMESTER4\praktikum4>

```

Composition Penulis Dan Buku

Script:

```

'''
Nama : Muhamad Nairul Ramandhika
Kelas : R1
NIM : 210511040
'''

class Penulis:
    def __init__(self, name):
        self.name = name
        self.karya = Karya()
        print("Karya Muhamad Nairul Ramandhika")

class Judul:
    def __init__(self, name, sience):

```

```

        self.name = name
        self.sience = sience
class Karya:
    def __init__(self):
        self.items = []
    def add_item1(self, item):
        self.items.append(item)
        print("Judul: ", item.name, ", Tahun", item.sience)
    def add_item2(self, item):
        self.items.append(item)
        print("Judul: ", item.name, ", Tahun", item.sience)
    def remove_item(self, item):
        self.items.remove(item)
penulis = Penulis(" ")
judul1 = Judul("Ga Standing Ga Asik", 2022)
judul2 = Judul("Supermoto 150", 2023)
print("="*40)
penulis.karya.add_item1(judul1)
penulis.karya.add_item2(judul2)
penulis.karya.items
print(" ")

```

Hasil Running Program:

The screenshot shows a Visual Studio Code window with a Python script named 'penulis dan buku.py' open. The script defines two classes, 'Penulis' and 'Judul', and a 'Karya' class. The 'Penulis' class has an 'add_item' method that adds a 'Judul' object to a list. The 'Judul' class has an 'add_item' method that adds a 'Karya' object to a list. The 'Karya' class has an 'add_item' method that adds a 'Judul' object to a list. The script creates a 'Penulis' object named 'penulis' and two 'Judul' objects, 'judul1' and 'judul2'. It then adds 'judul1' and 'judul2' to the 'karya' list of the 'penulis' object. Finally, it prints the 'karya' list.

```

class Penulis:
    def __init__(self, name):
        self.name = name
        self.karya = Karya()
        print("Karya Muhamad Nairul Ramandhika")
class Judul:
    def __init__(self, name, sience):
        self.name = name
        self.sience = sience
class Karya:
    def __init__(self):
        self.items = []
    def add_item1(self, item):
        self.items.append(item)
        print("Judul: ", item.name, ", Tahun", item.sience)
    def add_item2(self, item):
        self.items.append(item)
        print("Judul: ", item.name, ", Tahun", item.sience)
    def remove_item(self, item):
        self.items.remove(item)
penulis = Penulis(" ")
judul1 = Judul("Ga Standing Ga Asik", 2022)
judul2 = Judul("Supermoto 150", 2023)
print("="*40)
penulis.karya.add_item1(judul1)
penulis.karya.add_item2(judul2)
penulis.karya.items
print(" ")

```

The terminal output shows the execution of the script, displaying the name of the author and the details of the two books added to the list.

```

PS C:\Users\LENOVO\OneDrive\Documents\SEMESTER4\praktikum4> python.exe "c:/Users/LENOVO/OneDrive/Documents/SEMESTER4/praktikum4/penulis dan buku.py"
Karya Muhamad Nairul Ramandhika
=====
Judul: Ga Standing Ga Asik , Tahun 2022
Judul: Supermoto 150 , Tahun 2023
PS C:\Users\LENOVO\OneDrive\Documents\SEMESTER4\praktikum4>

```