

Muhamad Nairull Ramandhika

R1

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Tugas Minggu 4

Composition Perusahaan Dan Karyawan RPA unggas Jaya

Script:

```
'''
Nama : Muhamad Nairul Ramandhika
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'''

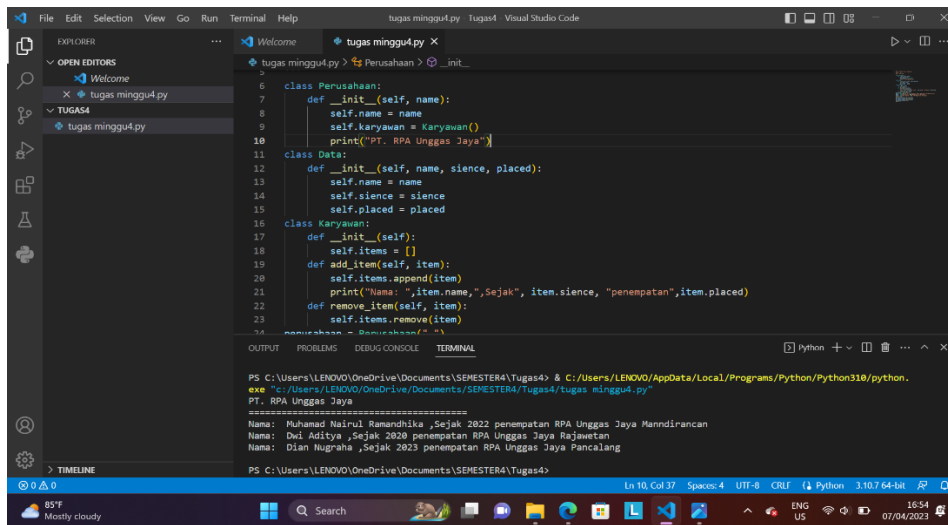
class Perusahaan:
    def __init__(self, name):
        self.name = name
        self.karyawan = Karyawan()
        print("PT. RPA Unggas Jaya")

class Data:
    def __init__(self, name, sience, placed):
        self.name = name
        self.sience = sience
        self.placed = placed

class Karyawan:
    def __init__(self):
        self.items = []
    def add_item(self, item):
        self.items.append(item)
        print("Nama: ", item.name, ", Sejak", item.sience, "penempatan", item.placed)
    def remove_item(self, item):
        self.items.remove(item)

perusahaan = Perusahaan(" ")
data1 = Data("Muhamad Nairul Ramandhika", 2022, "RPA Unggas Jaya Manndirancan")
data2 = Data("Dwi Aditya", 2020, "RPA Unggas Jaya Rajawetan")
data3 = Data("Dian Nugraha", 2023, "RPA Unggas Jaya Pancalang")
print("="*40)
perusahaan.karyawan.add_item(data1)
perusahaan.karyawan.add_item(data2)
perusahaan.karyawan.add_item(data3)
perusahaan.karyawan.items
print(" ")
```

## Hasil Running Program:



The screenshot displays the Visual Studio Code interface with a Python file named `tugas minggu4.py` open. The code defines three classes: `Perusahaan`, `Data`, and `Karyawan`. The `Perusahaan` class has an `__init__` method that sets `self.name` and `self.karyawan` (an instance of `Karyawan`). The `Data` class has an `__init__` method that sets `self.name`, `self.sience`, and `self.placed`. The `Karyawan` class has an `__init__` method that sets `self.items` (an empty list) and methods `add_item`, `remove_item`, and `remove_item`. The `main` function at the bottom creates a `Perusahaan` object and adds three `Karyawan` objects to its `karyawan` list.

```
1 class Perusahaan:
2     def __init__(self, name):
3         self.name = name
4         self.karyawan = Karyawan()
5
6 class Data:
7     def __init__(self, name, sience, placed):
8         self.name = name
9         self.sience = sience
10        self.placed = placed
11
12 class Karyawan:
13     def __init__(self):
14         self.items = []
15     def add_item(self, item):
16         self.items.append(item)
17         print("Nama: ", item.name, ",Sejak", item.sience, "penempatan", item.placed)
18     def remove_item(self, item):
19         self.items.remove(item)
20
21 def main():
22     perusahaan = Perusahaan("PT. RPA Unggas Jaya")
23     perusahaan.karyawan.add_item(Karyawan())
24     perusahaan.karyawan.add_item(Karyawan())
25     perusahaan.karyawan.add_item(Karyawan())
26
27 if __name__ == "__main__":
28     main()
```

The terminal output shows the execution of the program, displaying the names and details of the three employees added to the company:

```
PS C:\Users\LENOVO\OneDrive\Documents\SEMESTER4\Tugas4> python.exe "c:/Users/LENOVO/OneDrive/Documents/SEMESTER4/Tugas4/tugas minggu4.py"
PT. RPA Unggas Jaya
=====
Name: Muhamad Nairul Ramandhika ,Sejak 2022 penempatan RPA Unggas Jaya Manndirancan
Name: Dwi Aditya ,Sejak 2020 penempatan RPA Unggas Jaya Rajawetan
Name: Dian Nugraha ,Sejak 2023 penempatan RPA Unggas Jaya Pancalang
PS C:\Users\LENOVO\OneDrive\Documents\SEMESTER4\Tugas4>
```