Nama   : Agung Sihab Malawi

Nim   : 210511047

Kelas   : R1

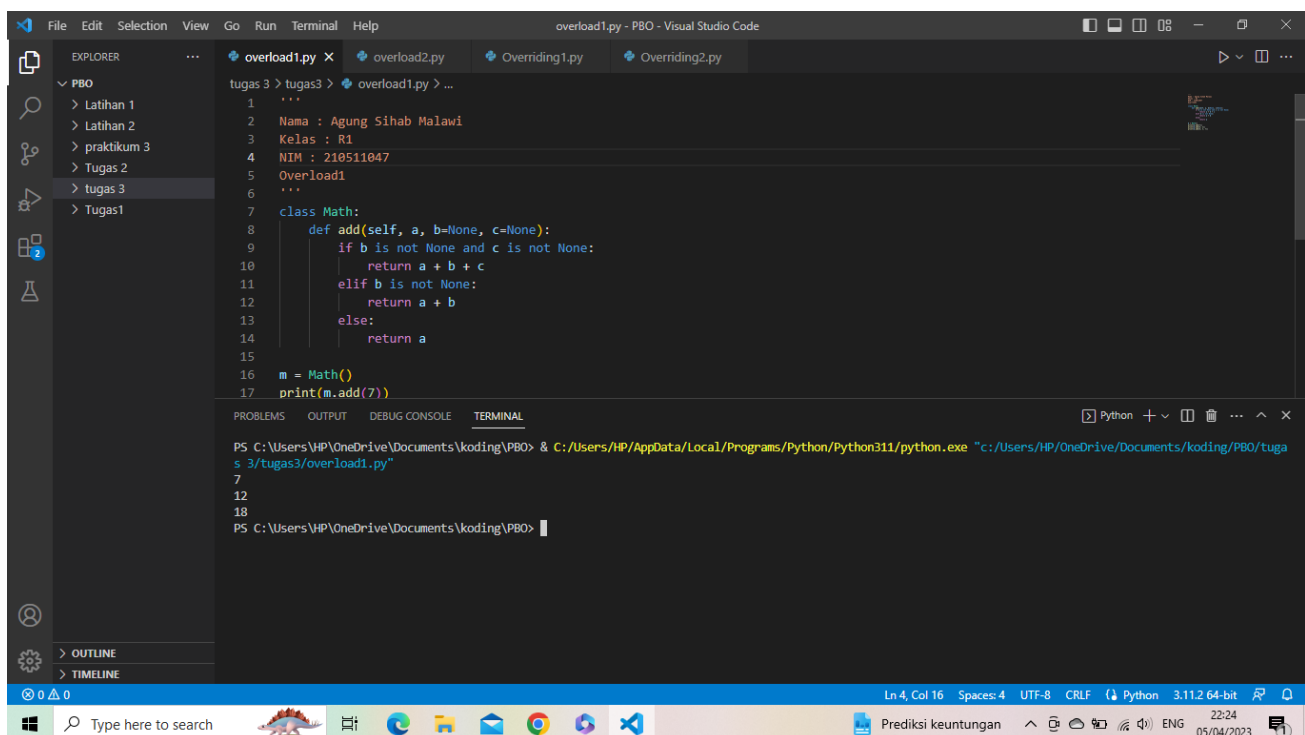PBO2 Praktikum 3

Overload 1

```python
'''
Nama : Agung Sihab Malawi
Kelas : R1
NIM : 210511047
Overload1
'''
class Math:
    def add(self, a, b=None, c=None):
        if b is not None and c is not None:
            return a + b + c
        elif b is not None:
            return a + b
        else:
            return a

m = Math()
print(m.add(7))
print(m.add(9, 3))
print(m.add(8, 3, 7))
```

Hasil Running Program

Overload 1

```
'''

Nama : Agung Sihab Malawi
Kelas : R1
NIM : 210511047
Overload2
'''

class Math:
    def add(self, *args):
        total = 0
        for arg in args:
            total += arg
        return total


m = Math()
print(m.add(9))
print(m.add(50, 3))
print(m.add(8, 4, 16))
```

Hasil Running Program

```python
'''
Nama : Agung Sihab Malawi
Kelas : R1
NIM : 210511047
Overriding1
'''

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

    def gaji(self):
        raise NotImplementedError

class Supervisor(Pekerja):
    def gaji(self):
        return ' Rp 3.000.000'

class Manajer(Pekerja):
    def gaji(self):
        return ' Rp 5.000.000'

class Mekanik(Pekerja):
    def gaji(self):
        return ' Rp 2.500.000'

parapekerja = [Supervisor('Sihab'), Manajer('Agung'), Supervisor('Tegar'),
Mekanik('Sultan')]

for pekerja in parapekerja:
    print(pekerja.name + ': ','Gaji/bulan' + pekerja.gaji())
```

Hasil Running Program

Overriding 2

```python
'''
Nama : Agung Sihab Malawi
Kelas : R1
NIM : 210511047
Overriding2
'''
class Hero:
    def __init__(self, name):
        self.name = name

    def gaji(self):
        raise NotImplementedError

class Fighter(Hero):
    def gaji(self):
        return ' Exp Liner'

class Assasin(Hero):
    def gaji(self):
        return ' Junggler'

class Tank(Hero):
    def gaji(self):
        return ' Roamer'

class Marksman(Hero):
    def gaji(self):
        return ' Gold Liner'

class Mage(Hero):
    def gaji(self):
        return ' Mid Liner'

class Support(Hero):
    def gaji(self):
        return ' Roamer/Mid liner'

heroml = [Fighter('Yin'), Tank('Johnson'), Mage('Vale'), Support('Estes')]
for hero in heroml:
    print(hero.name + ': ','Jalur' + hero.gaji())
```

Hasil Running Program

```
     '''
 1
 2   Nama : Agung Sihab Malawi
 3   Kelas : R1
 4   NIM : 210511047
 5   Overriding2
 6   '''
 7   class Hero:
 8       def __init__(self, name):
 9           self.name = name
10
11       def gaji(self):
12           raise NotImplementedError
13
14   class Fighter(Hero):
15       def gaji(self):
16           return ' Exp Liner'
17
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL

PS C:\Users\HP\OneDrive\Documents\koding\PBO> & C:/Users/HP/AppData/Local/Programs/Python/Python311/python.exe "c:/Users/HP/OneDrive/Documents/koding/PBO/tuga
s 3/tugas3/Overriding2.py"
Yin: Jalur Exp Liner
Johnson: Jalur Roamer
Vale: Jalur Mid Liner
Estes: Jalur Roamer/Mid liner
PS C:\Users\HP\OneDrive\Documents\koding\PBO>