

Nama : Agung Sihab Malawi

Nim : 210511047

Kelas : R1

PBO2 Praktikum 3

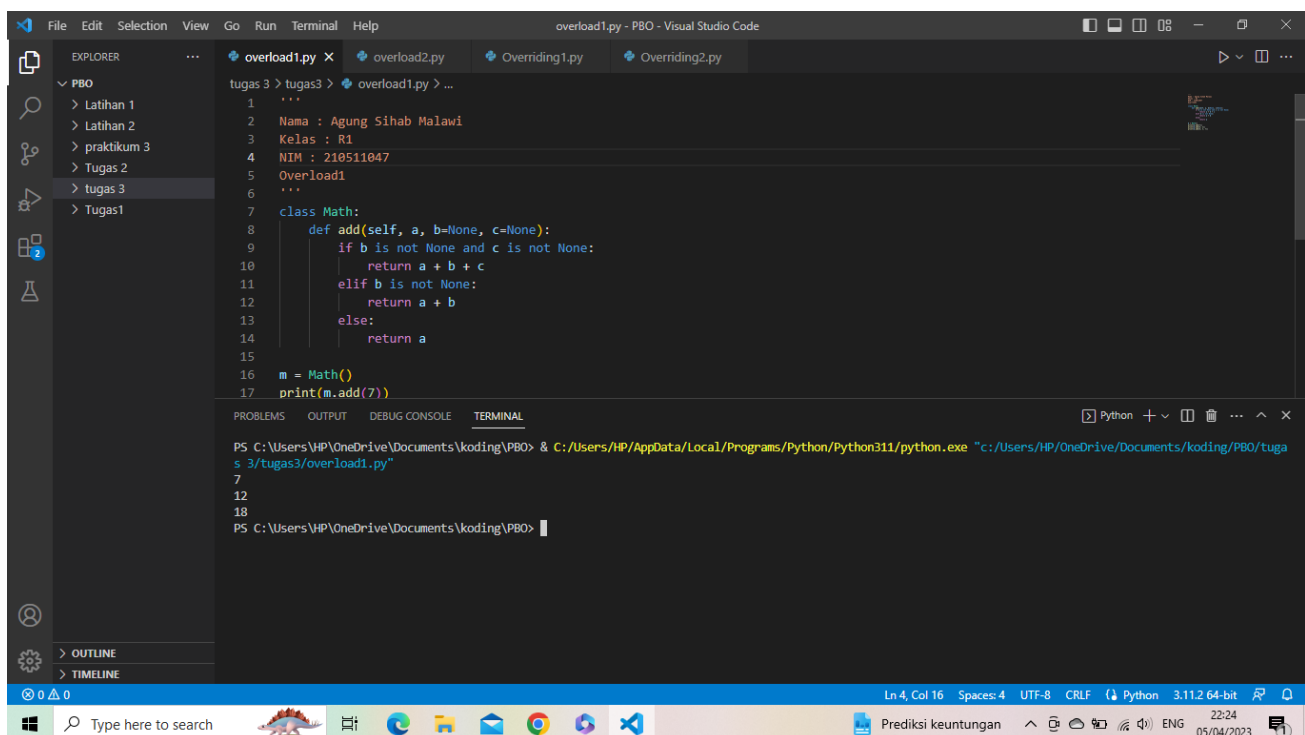
Overload 1

```
'''
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



```
File Edit Selection View Go Run Terminal Help
overload1.py - PBO - Visual Studio Code

EXPLORER
PBO
  > Latihan 1
  > Latihan 2
  > praktikum 3
  > Tugas 2
  > tugas3
  > Tugas1

tugas3 > tugas3 > overload1.py > ...
1 '''
2 Nama : Agung Sihab Malawi
3 Kelas : R1
4 NIM : 210511047
5 Overload1
6 '''
7 class Math:
8     def add(self, a, b=None, c=None):
9         if b is not None and c is not None:
10             return a + b + c
11         elif b is not None:
12             return a + b
13         else:
14             return a
15
16 m = Math()
17 print(m.add(7))

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
Python + - - - - -
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\tugas3\tugas3\overload1.py"
7
12
18
PS C:\Users\HP\OneDrive\Documents\koding\PBO>

Ln 4, Col 16 Spaces: 4 UTF-8 CRLF Python 3.11.2 64-bit
Prediksi keuntungan 22:24 05/04/2023
```

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

The screenshot shows the Visual Studio Code interface with the following details:

- File Explorer (Left):** Shows a project structure with folders 'Latihan 1', 'Latihan 2', 'praktikum 3', 'Tugas 2', and 'tugas3' (selected). Inside 'tugas3' is a file 'Tugas1'.
- Code Editor (Center):** Displays the file 'overload2.py' with the following Python code:


```

1  '''
2  Nama : Agung Sihab Malawi
3  Kelas : R1
4  NIM : 210511047
5  Overload2
6  '''
7  class Math:
8      def add(self, *args):
9          total = 0
10         for arg in args:
11             total += arg
12         return total
13
14 m = Math()
15 print(m.add(9))
16 print(m.add(50, 3))
17 print(m.add(8, 4, 16))
      
```
- Terminal (Bottom):** Shows the command prompt output:


```

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/tugas3/tugas3/overload2.py"
9
53
28
PS C:\Users\HP\OneDrive\Documents\koding\PBO>
      
```
- Status Bar (Bottom):** Indicates the current file is 'Ln 5, Col 10', 'Spaces: 4', 'UTF-8', 'CRLF', 'Python', '3.11.2 64-bit'.

Overriding 1

```
'''
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

```
'''
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 Assassin(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

FileEditSelectionViewGoRunTerminalHelp

Overriding2.py - PBO - Visual Studio Code

overload1.pyoverload2.pyOverriding1.pyOverriding2.py

EXPLORERPBO> Latihan 1> Latihan 2> praktikum 3> Tugas 2> tugas 3> Tugas 1

1'''2Nama : Agung Sihab Malawi3Kelas : R14NIM : 2105110475Overriding26'''7class Hero:8def __init__(self, name):9self.name = name1011def gaji(self):12raise NotImplementedError1314class Fighter(Hero):15def gaji(self):16return 'Exp Liner'17

PROBLEMSOUTPUTDEBUG CONSOLETERMINALPython

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/tugas 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>

Ln 38, Col 23Spaces: 4UTF-8CRLFPython 3.11.2 64-bit

26°C Berawan22:2405/04/2023