

Muhamad Nairul Ramandhika

R1

210511040

TUGAS PRAKTIKUM 3

Overload1

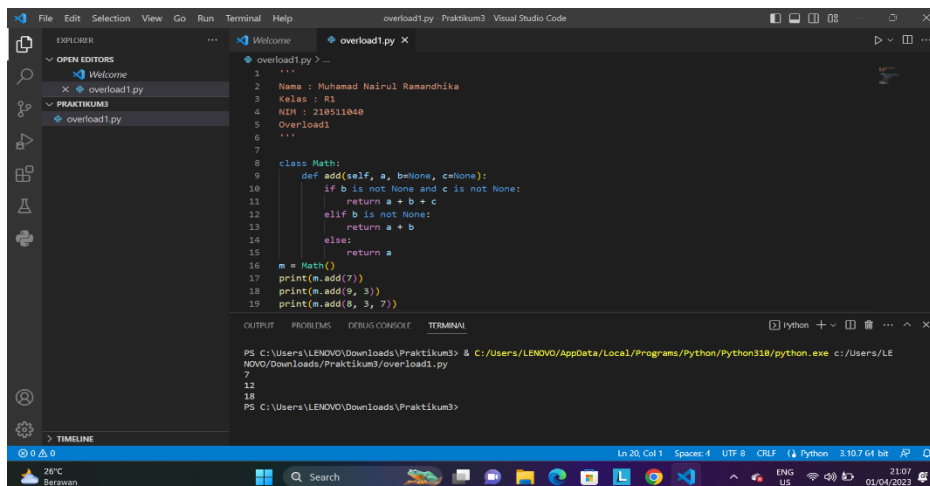
Script :

```
'''
Nama : Muhamad Nairul Ramandhika
Kelas : R1
NIM : 210511040
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 Pratikum3 Visual Studio Code

EXPLORER
  OPEN EDITORS
    Welcome
    X overload1.py
  PRAKTIKUM3
    overload1.py

overload1.py X
1 '''
2 Nama : Muhamad Nairul Ramandhika
3 Kelas : R1
4 NIM : 210511040
5 Overload1
6 '''
7
8 class Math:
9     def add(self, a, b=None, c=None):
10         if b is not None and c is not None:
11             return a + b + c
12         elif b is not None:
13             return a + b
14         else:
15             return a
16
17 m = Math()
18 print(m.add(7))
19 print(m.add(9, 3))
20 print(m.add(8, 3, 7))

OUTPUT PROBLEMS DEBUG CONSOLE TERMINAL
Python
PS C:\Users\LENOVO\Downloads\Pratikum3> & C:/Users/LENOVO/AppData/Local/Programs/Python/Python318/python.exe c:/Users/LENOVO/Downloads/Pratikum3/overload1.py
7
12
18
PS C:\Users\LENOVO\Downloads\Pratikum3>
```

Overload2

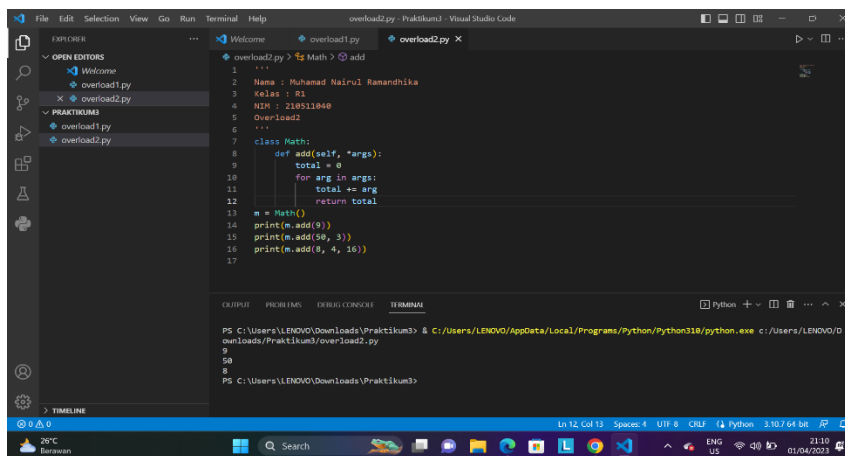
Script:

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

A screenshot of a Visual Studio Code editor window. The editor has a dark theme. On the left, the Explorer sidebar shows a file named 'overload2.py'. The main editor area displays the Python code from the previous block. Below the code editor, the 'TERMINAL' tab is active, showing the command prompt output: 'PS C:\Users\LENOVO\Downloads\Praktikum3> & C:\Users\LENOVO\AppData\Local\Programs\Python\Python310\python.exe c:\Users\LENOVO\Downloads\Praktikum3\overload2.py', followed by the output '9', '53', and '28'. The Windows taskbar is visible at the bottom, showing the date and time as 01/04/2023, 21:10.

Overriding1

Script:

```
'''
Nama : Muhamad Nairul Ramandhika
Kelas : R1
NIM : 210511040
Overriding1
'''
```

```

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

class Supervisor(Pekerja):
    def gaji(self):
        return 'Rp 4.000.000'

class Manajer(Pekerja):
    def gaji(self):
        return 'Rp 6.000.000'

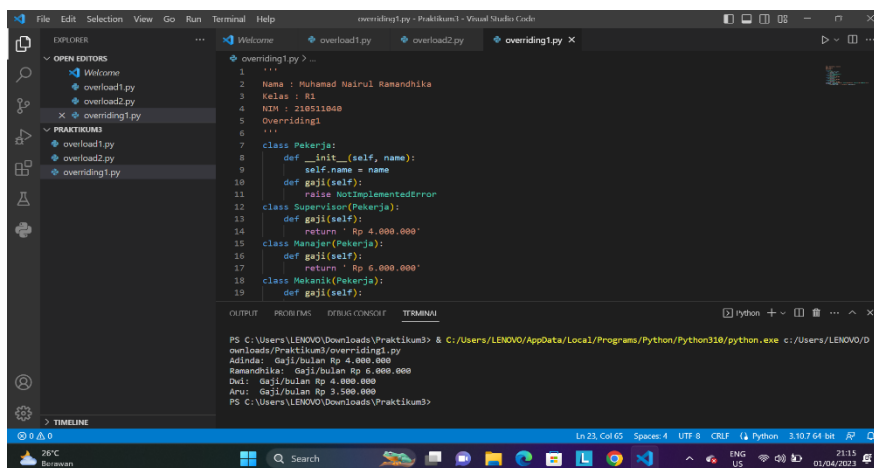
class Mekanik(Pekerja):
    def gaji(self):
        return 'Rp 3.500.000'

parapekerja = [Supervisor('Adinda'), Manajer('Ramandhika'),
Supervisor('Dwi'),Mekanik('Aru')]

for pekerja in parapekerja:
    print(pekerja.name + ': ',pekerja.gaji())

```

Hasil Running Program:



The screenshot shows a Visual Studio Code window with a file explorer on the left containing files like 'overload1.py', 'overload2.py', and 'overriding1.py'. The main editor displays the Python code from the previous block. The terminal at the bottom shows the execution output:

```

PS C:\Users\LENOVO\Downloads\Praktikum3> & C:\Users\LENOVO\AppData\Local\Programs\Python\Python310\python.exe c:/Users/LENOVO/D
omloads/Praktikum3/overriding1.py
Adinda: Gaji/bulan Rp 4.000.000
Ramandhika: Gaji/bulan Rp 6.000.000
Dwi: Gaji/bulan Rp 4.000.000
Aru: Gaji/bulan Rp 3.500.000
PS C:\Users\LENOVO\Downloads\Praktikum3>

```

Overriding2

Script:

```

'''
Nama : Muhamad Nairul Ramandhika
Kelas : R1
NIM : 210511040
Overriding2
'''

class Pemain :
    def __init__(self, name):

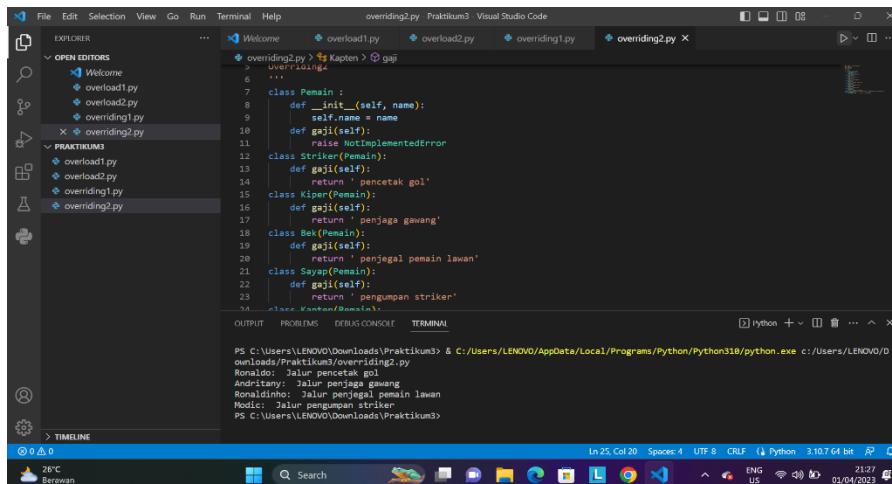
```

```

        self.name = name
    def gaji(self):
        raise NotImplementedError
class Striker(Pemain):
    def gaji(self):
        return ' pencetak gol'
class Kiper(Pemain):
    def gaji(self):
        return ' penjaga gawang'
class Bek(Pemain):
    def gaji(self):
        return ' penjaga pemain lawan'
class Sayap(Pemain):
    def gaji(self):
        return ' pengumpan striker'
class Kapten(Pemain):
    def gaji(self):
        return ' Pemimpin Tim'
class Wasit(Pemain):
    def gaji(self):
        return ' Memimpin Pertandingan'
Pemain = [Striker('Ronaldo'), Kiper('Andritany'), Bek('Ronaldinho'),
Sayap('Modic')]
for Pemain in Pemain:
    print(Pemain.name + ': ', 'Jalur' + Pemain.gaji())

```

Hasil Running Program:



The screenshot shows a Visual Studio Code window with a file explorer on the left and a code editor in the center. The code editor displays the same Python code as the first block. Below the code editor, the terminal window shows the output of the program. The output is as follows:

```

PS C:\Users\LENOVO\Downloads\Praktikum3> & C:/Users/LENOVO/AppData/Local/Programs/Python/Python318/python.exe c:/Users/LENOVO/D
ownloads/Praktikum3/overriding2.py
Ronaldo: Jalur pencetak gol
Andritany: Jalur penjaga gawang
Ronaldinho: Jalur penjaga pemain lawan
Modic: Jalur pengumpan striker
PS C:\Users\LENOVO\Downloads\Praktikum3>

```