

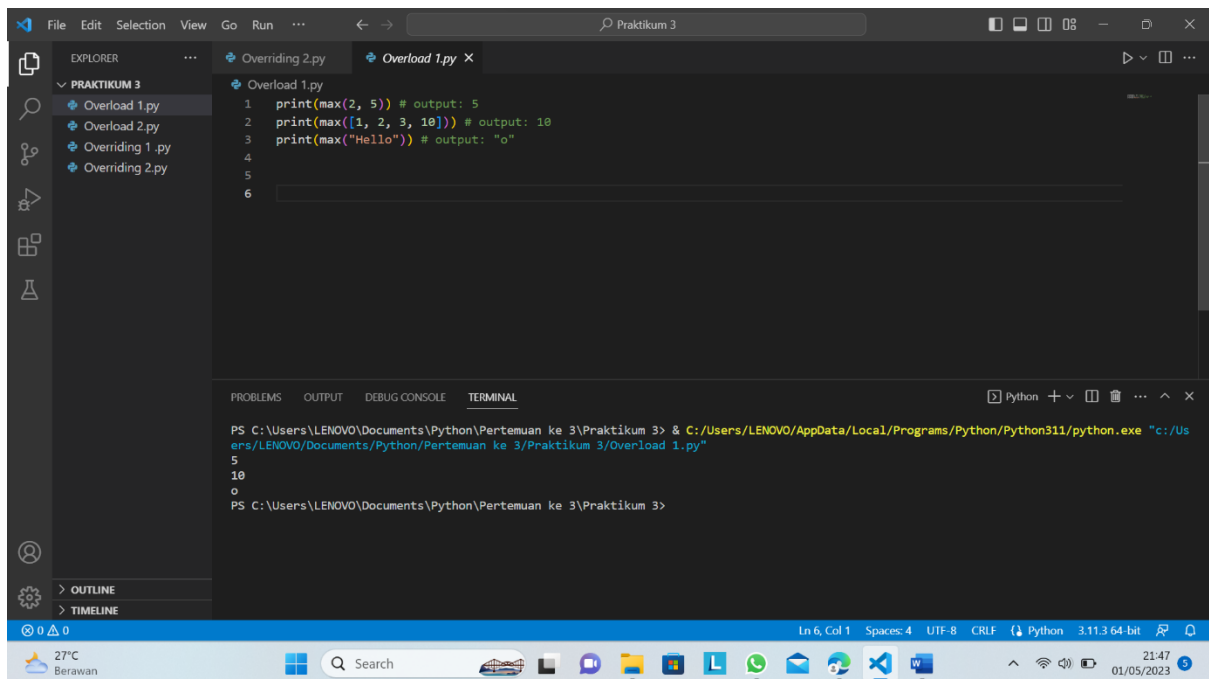
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## Overload 1

```
print(max(2, 5)) # output: 5  
print(max([1, 2, 3, 10])) # output: 10  
print(max("Hello")) # output: "o"
```



The screenshot displays the Visual Studio Code (VS Code) interface. The Explorer panel on the left shows a project named 'PRAKTIKUM 3' containing two files: 'Overload 1.py' and 'Overload 2.py'. The 'Overload 1.py' file is open in the editor, showing the following code:

```
1 print(max(2, 5)) # output: 5  
2 print(max([1, 2, 3, 10])) # output: 10  
3 print(max("Hello")) # output: "o"  
4  
5  
6
```

The TERMINAL panel at the bottom shows the command prompt output for running the script:

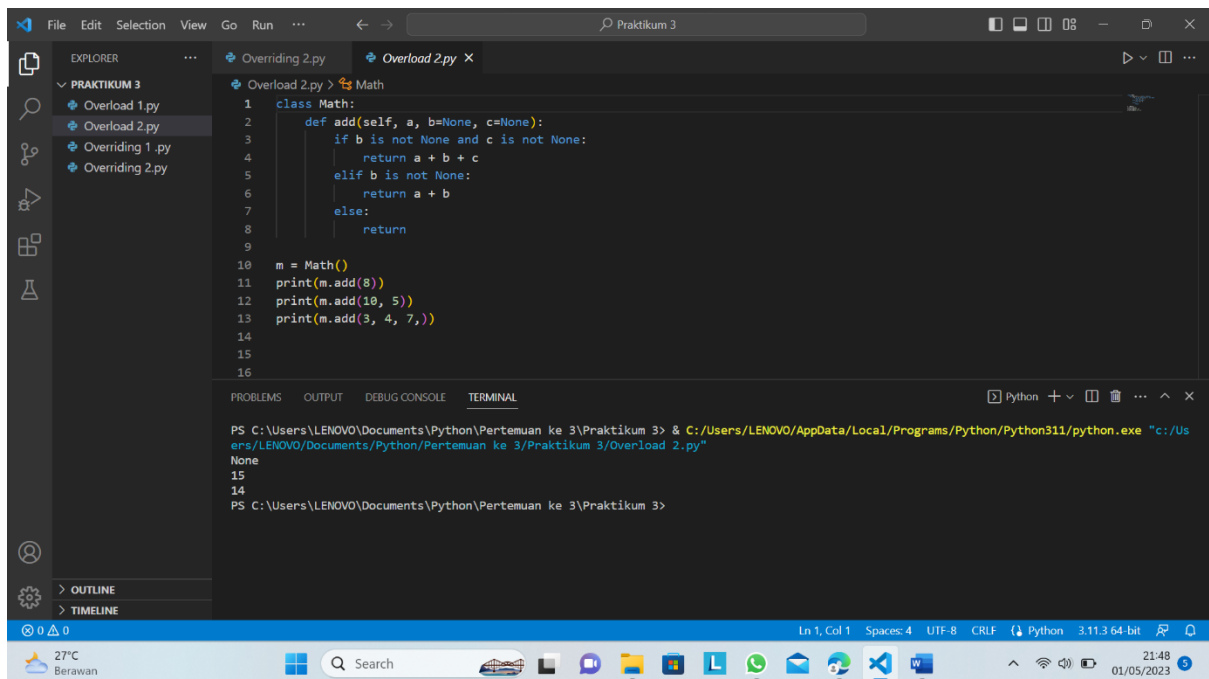
```
PS C:\Users\LENOVO\Documents\Python\Pertemuan ke 3\Praktikum 3> & C:/Users/LENOVO/AppData/Local/Programs/Python/Python311/python.exe "c:/Users/LENOVO/Documents/Python/Pertemuan ke 3/Praktikum 3/Overload 1.py"  
5  
10  
o  
PS C:\Users\LENOVO\Documents\Python\Pertemuan ke 3\Praktikum 3>
```

The status bar at the bottom indicates the current line and column (Ln 6, Col 1), the number of spaces (4), the encoding (UTF-8), the line ending (CRLF), the interpreter (Python 3.11.3 64-bit), and the system clock (21:47, 01/05/2023).

## Overload 2

```
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

m = Math()
print(m.add(8))
print(m.add(10, 5))
print(m.add(3, 4, 7,))
```



## Overriding 1

```
class Buah:
    def make_rasa(self):
        print("Buah make a rasa ")

class Pepaya(Buah):
    def make_rasa(self):
        print("Pepaya rasa manis")

class Strobery(Buah):
    def make_rasa(self):
        print("Strobery rasa asam ")

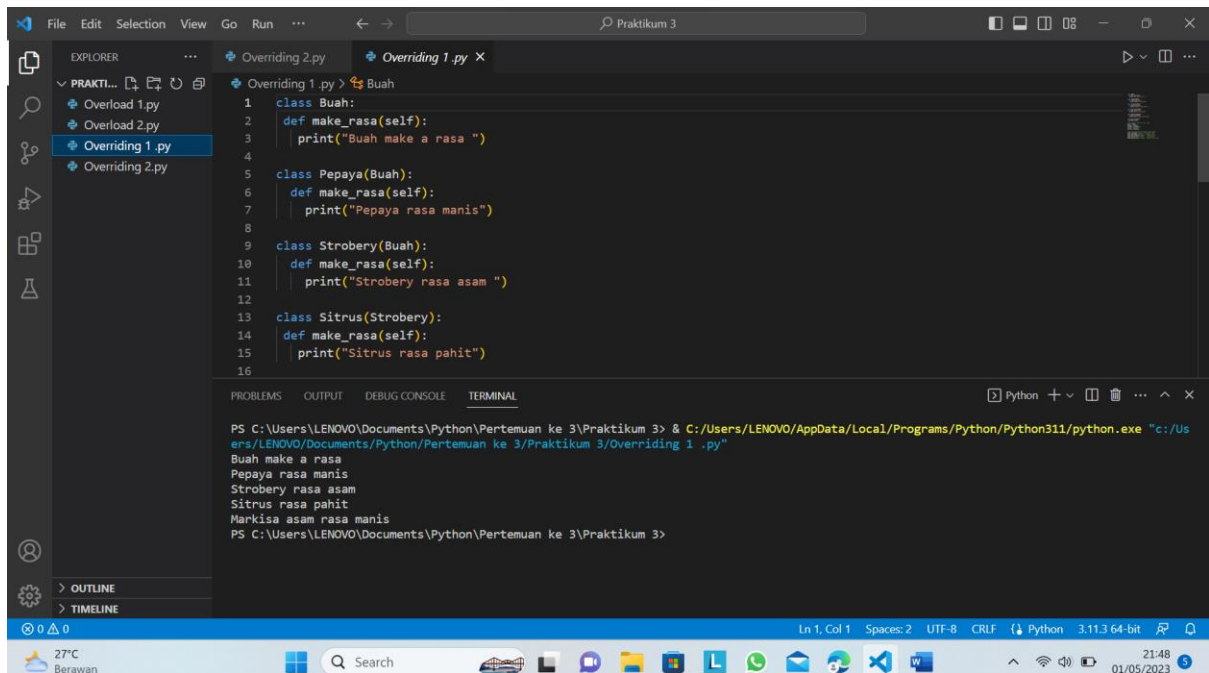
class Sitrus(Strobery):
    def make_rasa(self):
        print("Sitrus rasa pahit")

class Markisa(Pepaya):
    def make_rasa(self):
        print("Markisa asam rasa manis")

def buah_rasa(buah):
    buah.make_rasa()

# Instantiate objects of each class
buah = Buah()
pepaya = Pepaya()
strobery = Strobery()
sitrus = Sitrus()
markisa = Markisa()

# Call the buah_rasa function for each object
buah_rasa(buah)# Output : Buah make a rasa
buah_rasa(pepaya )# Output : Pepaya manis
buah_rasa(strobery)# Output : Strobery asam
buah_rasa(sitrus )# Output : Sitrus pahit
buah_rasa(markisa) # Output : Markisa asam manis
```



## Overriding 2

```
class Pekerja:
    def __init__(self, nama, gaji):
        self.nama = nama
        self.gaji = gaji

    def hitung_gaji(self):
        return self.gaji

class Manager(Pekerja):
    def __init__(self, nama, gaji, bonus):
        super().__init__(nama, gaji)
        self.bonus = bonus

    def hitung_gaji(self):
        total_gaji = super().hitung_gaji()
        return total_gaji + self.bonus

class Pegawai(Pekerja):
    def __init__(self, nama, gaji, tunjangan):
        super().__init__(nama, gaji)
        self.tunjangan = tunjangan

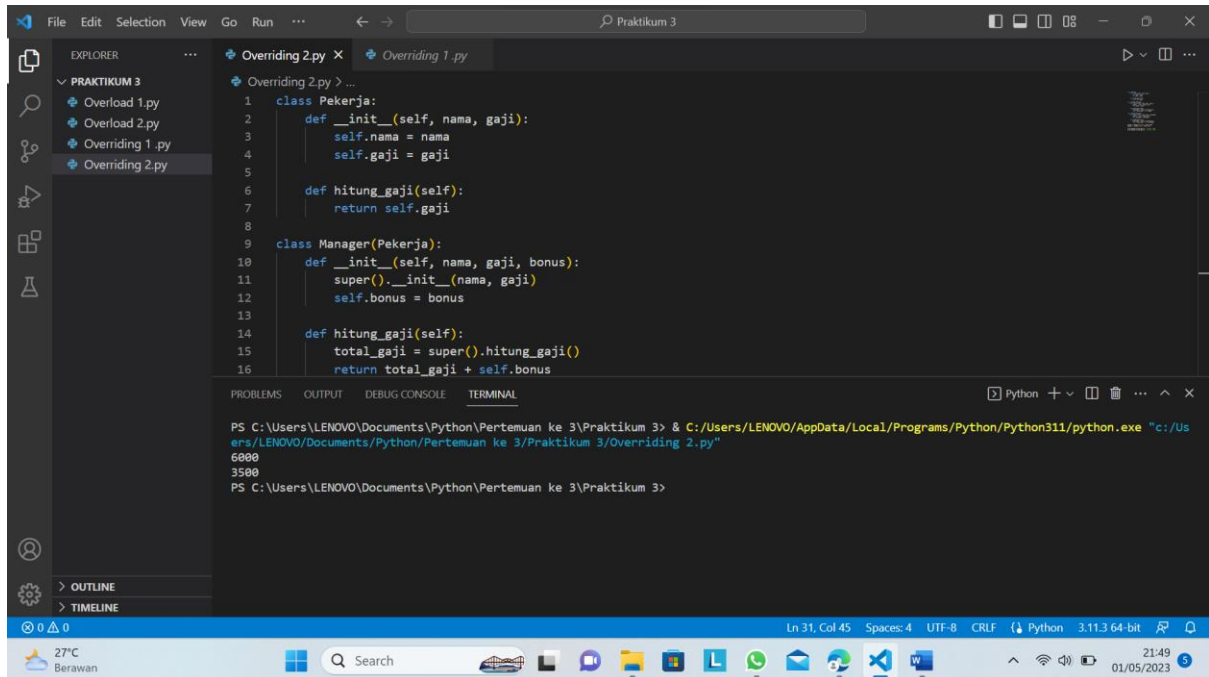
    def hitung_gaji(self):
        total_gaji = super().hitung_gaji()
        return total_gaji + self.tunjangan

manager = Manager("Purwoto", 5000, 1000)
```

```
pegawai = Pegawai("budi", 3000, 500)
```

```
print(manager.hitung_gaji()) # Output: 6000
```

```
print(pegawai.hitung_gaji()) # Output: 3500
```



The screenshot shows a Visual Studio Code editor window with a file explorer on the left and a terminal at the bottom. The file explorer shows a folder named 'PRAKTIKUM 3' containing four files: 'Overload 1.py', 'Overload 2.py', 'Overriding 1.py', and 'Overriding 2.py'. The 'Overriding 2.py' file is open in the editor, showing the following Python code:

```
1 class Pekerja:
2     def __init__(self, nama, gaji):
3         self.nama = nama
4         self.gaji = gaji
5
6     def hitung_gaji(self):
7         return self.gaji
8
9 class Manager(Pekerja):
10    def __init__(self, nama, gaji, bonus):
11        super().__init__(nama, gaji)
12        self.bonus = bonus
13
14    def hitung_gaji(self):
15        total_gaji = super().hitung_gaji()
16        return total_gaji + self.bonus
```

The terminal window at the bottom shows the command prompt output for running the script:

```
PS C:\Users\LENOVO\Documents\Python\Pertemuan ke 3\Praktikum 3> & C:/Users/LENOVO/AppData/Local/Programs/Python/Python311/python.exe "c:/Users/LENOVO/Documents/Python/Pertemuan ke 3/Praktikum 3/Overriding 2.py"
6000
3500
PS C:\Users\LENOVO\Documents\Python\Pertemuan ke 3\Praktikum 3>
```

The status bar at the bottom of the editor indicates the current line and column (Ln 31, Col 45), the number of spaces (4), the encoding (UTF-8), the line ending (CRLF), the interpreter (Python 3.11.3 64-bit), and the system clock (21:49, 01/05/2023).