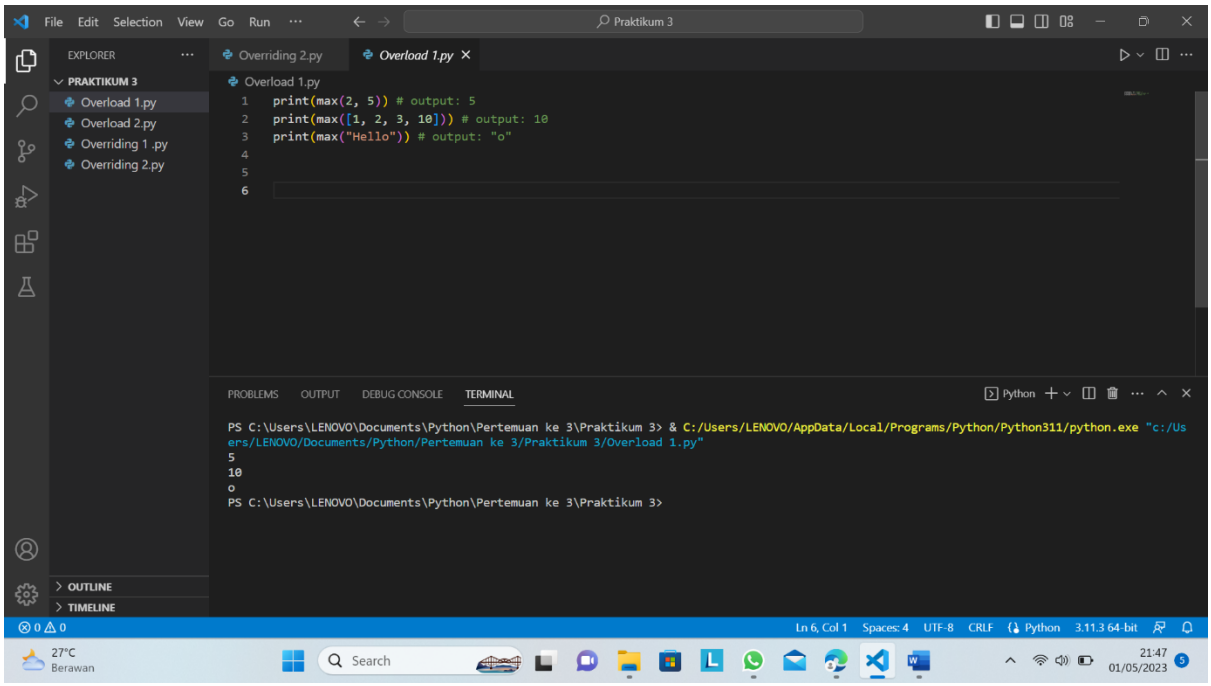
Nama : Purwoto

NIM : 210511014

Kelas : R1

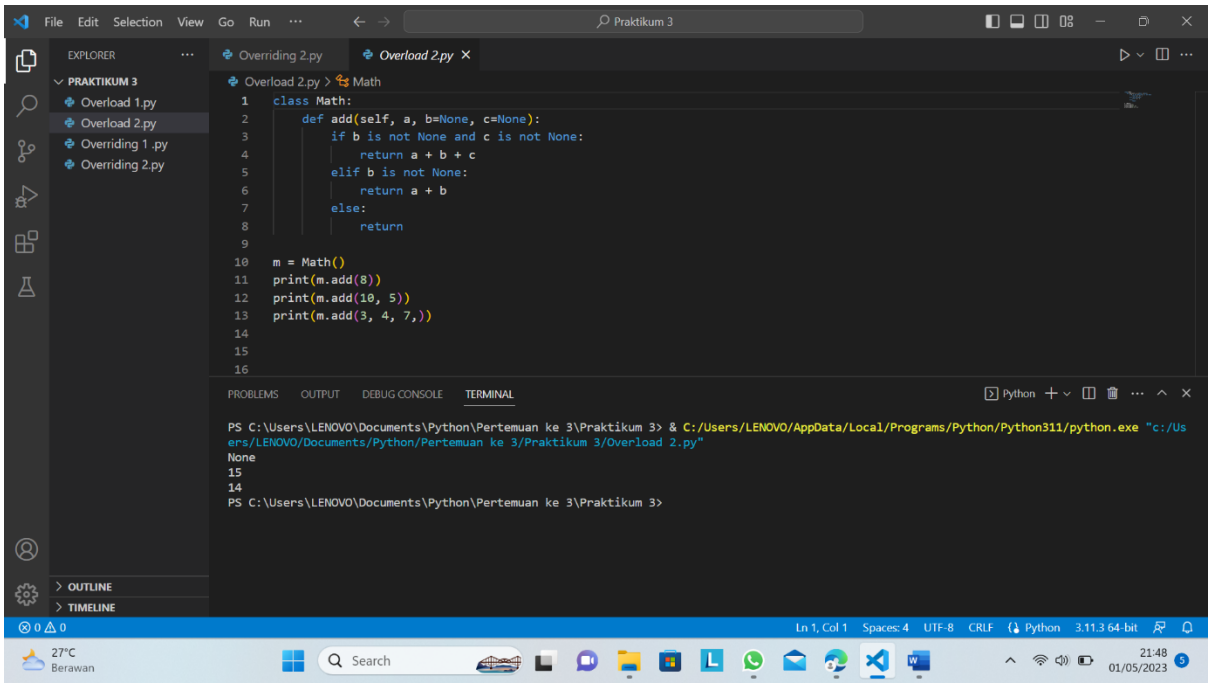
Overload 1

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



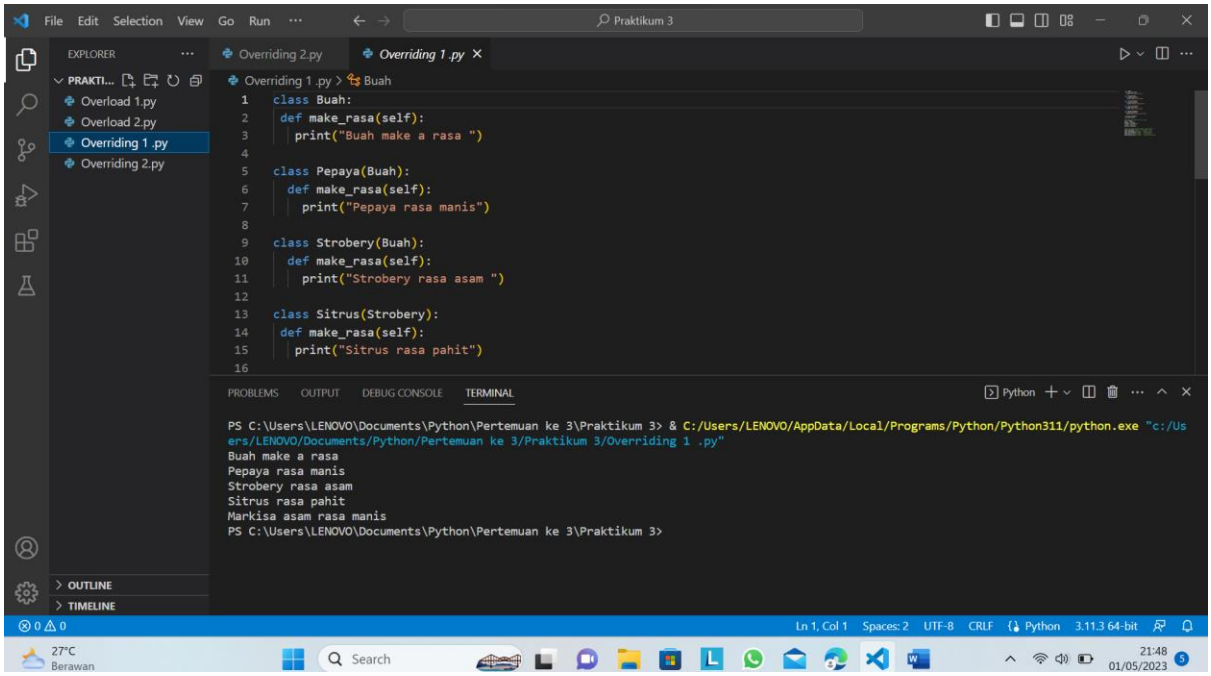
Overload 2

```
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
```