

LAPORAN PRAKTIKUM

PEMROGRAMAN BERORIENTASI OBJEK LANJUT

2023



Prepared By:

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210511112 / R3

Nama : ALI MABRUR MUBAROK

Nim : 210511112

Kelas : TIF21C / R3

1. Overload1.py , Overload2.py

Overload1.py =

#Nama : ALI MABRUR MUBAROK

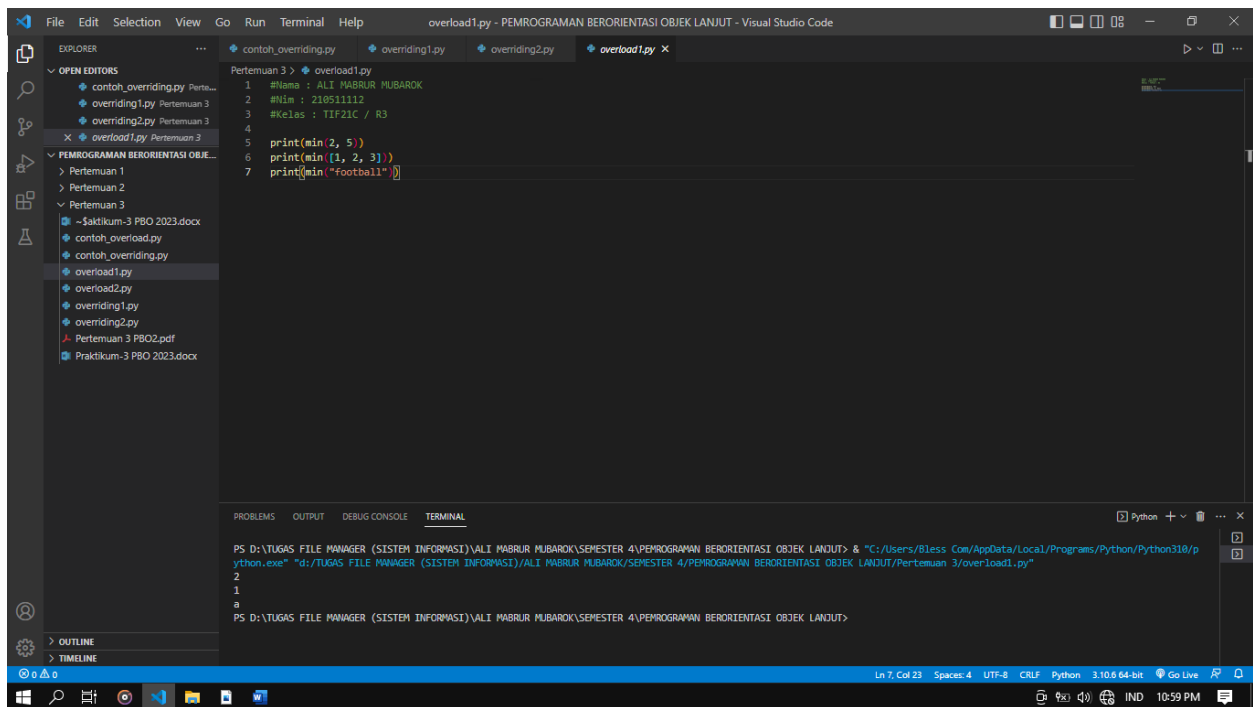
#Nim : 210511112

#Kelas : TIF21C / R3

print(min(2, 5))

print(min([1, 2, 3]))

print(min("football"))



The screenshot shows the Visual Studio Code interface. The Explorer panel on the left displays a file tree with folders for 'OPEN EDITORS', 'PEMROGRAMAN BERORIENTASI OBJEK', and 'PEMROGRAMAN BERORIENTASI OBJEK LANJUT'. The file 'overload1.py' is selected. The Editor panel shows the code for 'overload1.py' with the following content:

```
Pertemuan 3 > overload1.py
1 #Nama : ALI MABRUR MUBAROK
2 #Nim : 210511112
3 #Kelas : TIF21C / R3
4
5 print(min(2, 5))
6 print(min([1, 2, 3]))
7 print(min("football"))
```

The TERMINAL panel at the bottom shows the command prompt output:

```
PS D:\TUGAS FILE MANAGER (SISTEM INFORMASI)\ALI MABRUR MUBAROK\SEMESTER 4\PEMROGRAMAN BERORIENTASI OBJEK LANJUT> & "C:/Users/Bless Com/AppData/Local/Programs/Python/Python310/python.exe" "d:/TUGAS FILE MANAGER (SISTEM INFORMASI)\ALI MABRUR MUBAROK\SEMESTER 4\PEMROGRAMAN BERORIENTASI OBJEK LANJUT/Pertemuan 3/overload1.py"
2
1
a
PS D:\TUGAS FILE MANAGER (SISTEM INFORMASI)\ALI MABRUR MUBAROK\SEMESTER 4\PEMROGRAMAN BERORIENTASI OBJEK LANJUT>
```

Overload2.py =

#Nama : ALI MABRUR MUBAROK

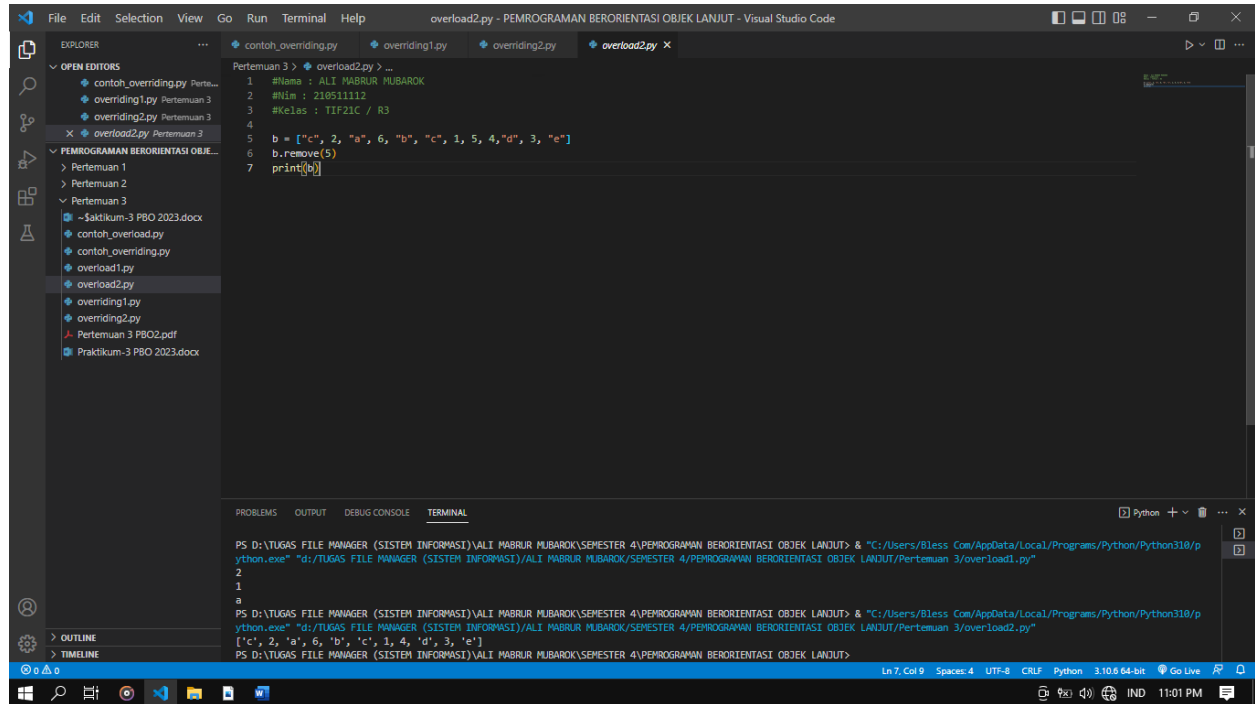
#Nim : 210511112

#Kelas : TIF21C / R3

```
b = ["c", 2, "a", 6, "b", "c", 1, 5, 4, "d", 3, "e"]
```

```
b.remove(5)
```

```
print(b)
```



2. Overriding1.py , Overriding2.py

Overriding1.py =

```
#Nama : ALI MABRUR MUBAROK
```

```
#Nim : 210511112
```

```
#Kelas : TIF21C / R3
```

```
class Hero:
```

```
    def help(self):
```

```
        print("Hero in here")
```

```
class Superman(Hero):
```

```
    def help(self):
```

```
        print("Superman is helping you")
```

```
class Batman(Hero):  
    def help(self):  
        print("Batman in dark is coming to you")
```

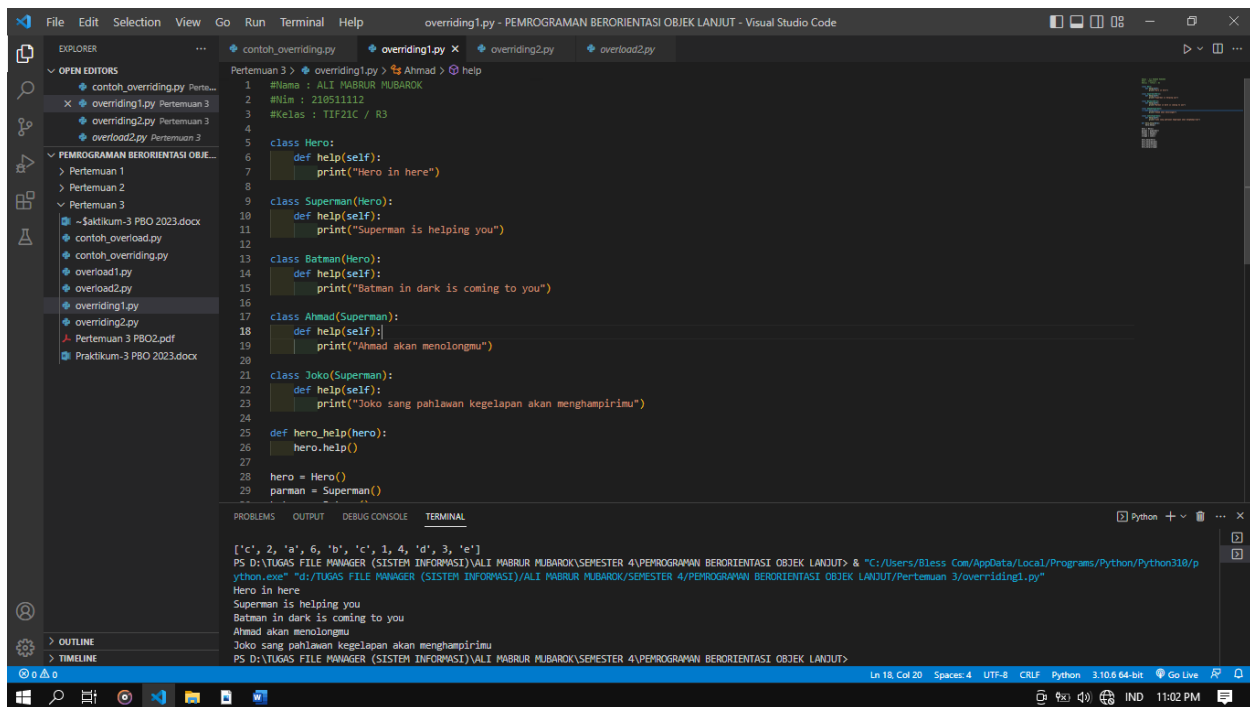
```
class Ahmad(Superman):  
    def help(self):  
        print("Ahmad akan menolongmu")
```

```
class Joko(Superman):  
    def help(self):  
        print("Joko sang pahlawan kegelapan akan menghampirimu")
```

```
def hero_help(hero):  
    hero.help()
```

```
hero = Hero()  
parman = Superman()  
batman = Batman()  
orang1 = Ahmad()  
orang2 = Joko()
```

```
hero_help(hero)  
hero_help(parman)  
hero_help(batman)  
hero_help(orang1)  
hero_help(orang2)
```



```
File Edit Selection View Go Run Terminal Help overriding1.py - PEMROGRAMAN BERORIENTASI OBJEK LANJUT - Visual Studio Code

EXPLORER
  OPEN EDITORS
    contoh_overriding.py
    overriding1.py
    overriding2.py
    overload2.py
  PEMROGRAMAN BERORIENTASI OBJEK LANJUT
    Pertemuan 1
    Pertemuan 2
    Pertemuan 3
    -Saktikum-3 PBO 2023.docx
    contoh_overload.py
    contoh_overriding.py
    overload1.py
    overload2.py
    overriding1.py
    overriding2.py
    Pertemuan 3 PBO2.pdf
    Praktikum-3 PBO 2023.docx

  overriding1.py
1  #Nama : ALI MABRUR MUBAROK
2  #Nim : 210511112
3  #Kelas : TIF21C / R3
4
5  class Hero:
6      def help(self):
7          print("Hero in here")
8
9  class Superman(Hero):
10     def help(self):
11         print("Superman is helping you")
12
13     class Batman(Hero):
14         def help(self):
15             print("Batman in dark is coming to you")
16
17     class Ahmad(Superman):
18         def help(self):
19             print('Ahmad akan menolongmu')
20
21     class Joko(Superman):
22         def help(self):
23             print("Joko sang pahlawan kegelapan akan menghampirimu")
24
25     def hero_help(hero):
26         hero.help()
27
28     hero = Hero()
29     parman = Superman()

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
Python
[ 'c', 2, 'a', 6, 'b', 'c', 1, 4, 'd', 3, 'e' ]
PS D:\TUGAS FILE MANAGER (SISTEM INFORMASI)\ALI MABRUR MUBAROK\SEMESTER 4\PEMROGRAMAN BERORIENTASI OBJEK LANJUT> & "C:/Users/Bless Com/AppData/Local/Programs/Python/Python310/p
ython.exe" "d:/TUGAS FILE MANAGER (SISTEM INFORMASI)\ALI MABRUR MUBAROK/SEMESTER 4/PEMROGRAMAN BERORIENTASI OBJEK LANJUT/Pertemuan 3/overriding1.py"
Hero in here
Superman is helping you
Batman in dark is coming to you
Ahmad akan menolongmu
Joko sang pahlawan kegelapan akan menghampirimu
PS D:\TUGAS FILE MANAGER (SISTEM INFORMASI)\ALI MABRUR MUBAROK\SEMESTER 4\PEMROGRAMAN BERORIENTASI OBJEK LANJUT>
```

Overriding2.py =

#Nama : ALI MABRUR MUBAROK

#Nim : 210511112

#Kelas : TIF21C / R3

class Suhu:

def convert_to_celcius(self):

pass

class Reamur(Suhu):

def __init__(self, reamur):

self.reamur = reamur

def convert_to_celcius(self):

return 5/4 * self.reamur

class Kelvin(Suhu):

```
def __init__(self, kelvin):  
    self.kelvin = kelvin
```

```
def convert_to_celcius(self):  
    return self.kelvin - 273
```

```
class Fahrenheit(Suhu):
```

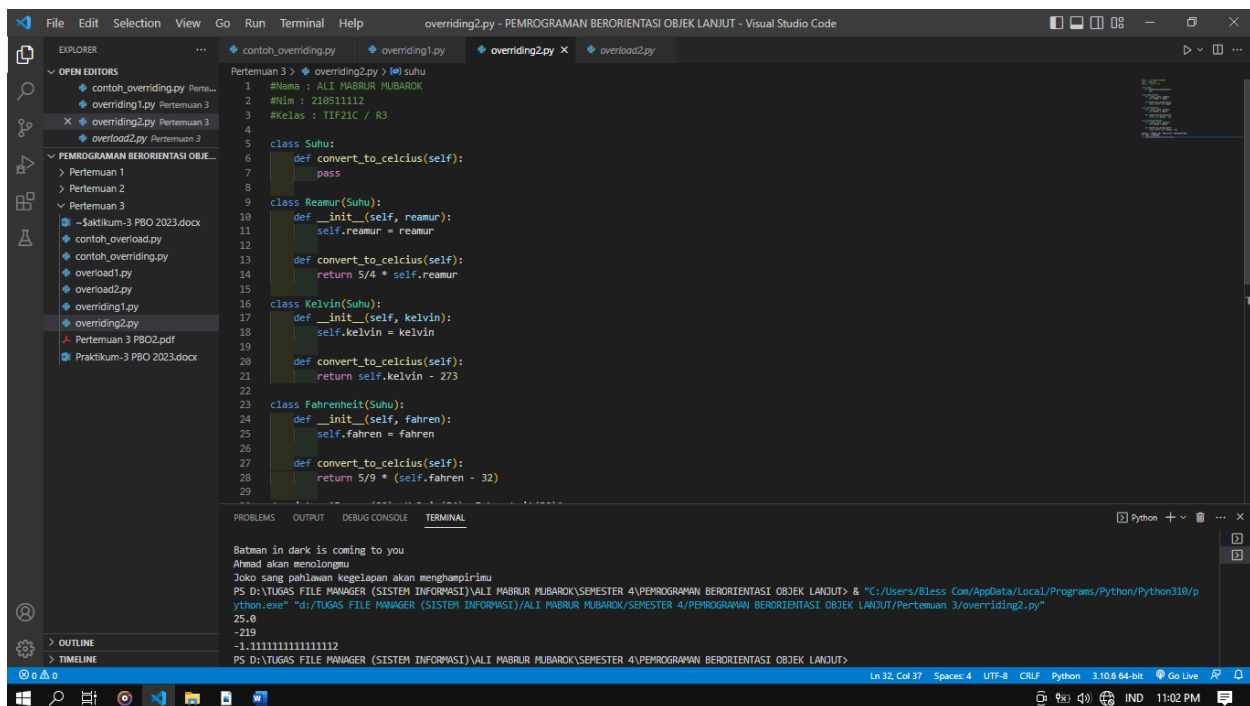
```
def __init__(self, fahren):  
    self.fahren = fahren
```

```
def convert_to_celcius(self):  
    return 5/9 * (self.fahren - 32)
```

```
derajat = [Reamur(20), Kelvin(54), Fahrenheit(30)]
```

```
for suhu in derajat:
```

```
    print(suhu.convert_to_celcius())
```



```
File Edit Selection View Go Run Terminal Help overriding2.py - PEMROGRAMAN BERORIENTASI OBJEK LANJUT - Visual Studio Code  
EXPLORER  
  OPEN EDITORS  
    contoh_overriding.py Pertemuan 3  
    overriding1.py Pertemuan 3  
    overriding2.py Pertemuan 3  
    overload2.py Pertemuan 3  
  PEMROGRAMAN BERORIENTASI OBJEK LANJUT  
    Pertemuan 1  
    Pertemuan 2  
    Pertemuan 3  
      -Saktikum-3 PBO 2023.docx  
      contoh_overload.py  
      contoh_overriding.py  
      overload1.py  
      overload2.py  
      overriding1.py  
      overriding2.py  
      Pertemuan 3 PBO2.pdf  
      Praktikum-3 PBO 2023.docx  
  OUTPUT  
  DEBUG CONSOLE  
  TERMINAL  
    Batman in dark is coming to you  
    Ahmad akan menolongmu  
    Joko sang pahlawan kegelapan akan menghampirimu  
    PS D:\TUGAS FILE MANAGER (SISTEM INFORMASI)\ALI MABRUR MUBAROK\SEMESTER 4\PEMROGRAMAN BERORIENTASI OBJEK LANJUT> & "C:/Users/Bless Com/AppData/Local/Programs/Python/Python310/python.exe" "d:/TUGAS FILE MANAGER (SISTEM INFORMASI)\ALI MABRUR MUBAROK/SEMESTER 4/PEMROGRAMAN BERORIENTASI OBJEK LANJUT/Pertemuan 3/overriding2.py"  
    25.0  
    -219  
    -1.1111111111111112  
    PS D:\TUGAS FILE MANAGER (SISTEM INFORMASI)\ALI MABRUR MUBAROK\SEMESTER 4\PEMROGRAMAN BERORIENTASI OBJEK LANJUT>  
Ln 32, Col 37 Spaces: 4 UTF-8 CRLF Python 3.10.6 64-bit Go Live
```