

Nama : Awaliyah Hayatun

NIM : 221511010

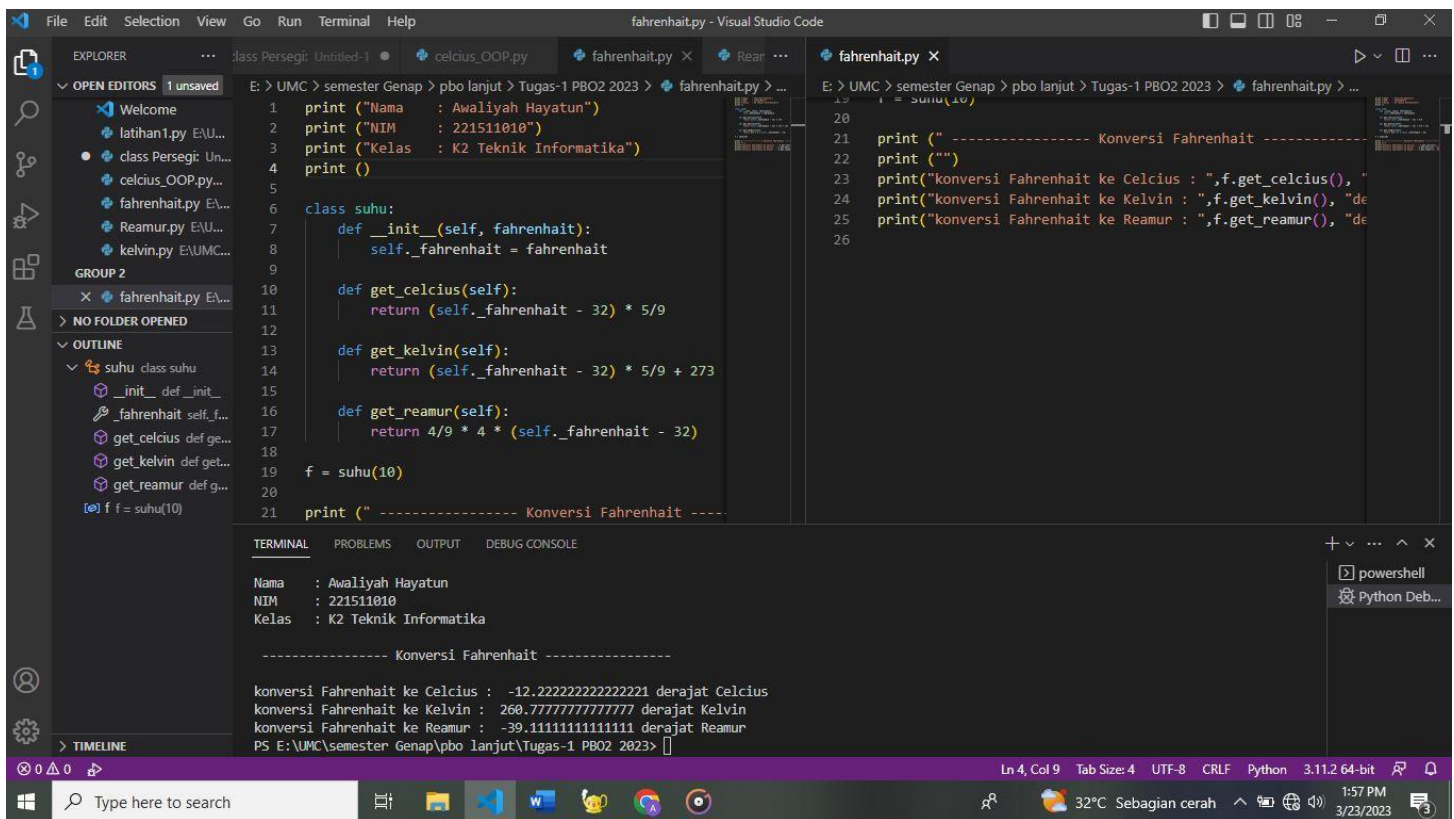
Kelas : K2

Mata Kuliah : Pemrograman Berorientasi Objek Lanjut

Link Tugas-1 PBO2 2023 :

https://github.com/awaliyahhayatun/pemrograman_berorientasi_objek/tree/main/Tugas-1%20PBO2%202023

1. Fahrenheit



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

EXPLORER
class Persegit: Untitled-1
celcius_OOP.py
fahrenheit.py
Reamur.py
kelvin.py

GROUP 2
fahrenheit.py

NO FOLDER OPENED

OUTLINE
suhu class suhu
__init__ def __init__
_fahrenheit self.f...
get_celcius def ge...
get_kelvin def get...
get_reamur def g...
f f = suhu(10)

TERMINAL
Nama : Awaliyah Hayatun
NIM : 221511010
Kelas : K2 Teknik Informatika

----- Konversi Fahrenheit -----

konversi Fahrenheit ke Celcius : -12.222222222222222 derajat Celcius
konversi Fahrenheit ke Kelvin : 260.77777777777777 derajat Kelvin
konversi Fahrenheit ke Reamur : -39.111111111111111 derajat Reamur
PS E:\UMC\semester Genap\pbo lanjut\Tugas-1 PBO2 2023>
```

Script :

```
print ("Nama : Awaliyah Hayatun")
print ("NIM : 221511010")
print ("Kelas : K2 Teknik Informatika")
print ()

class suhu:
    def __init__(self, fahrenheit):
```

```

        self._fahrenheit = fahrenheit

    def get_celcius(self):
        return (self._fahrenheit - 32) * 5/9

    def get_kelvin(self):
        return (self._fahrenheit - 32) * 5/9 + 273

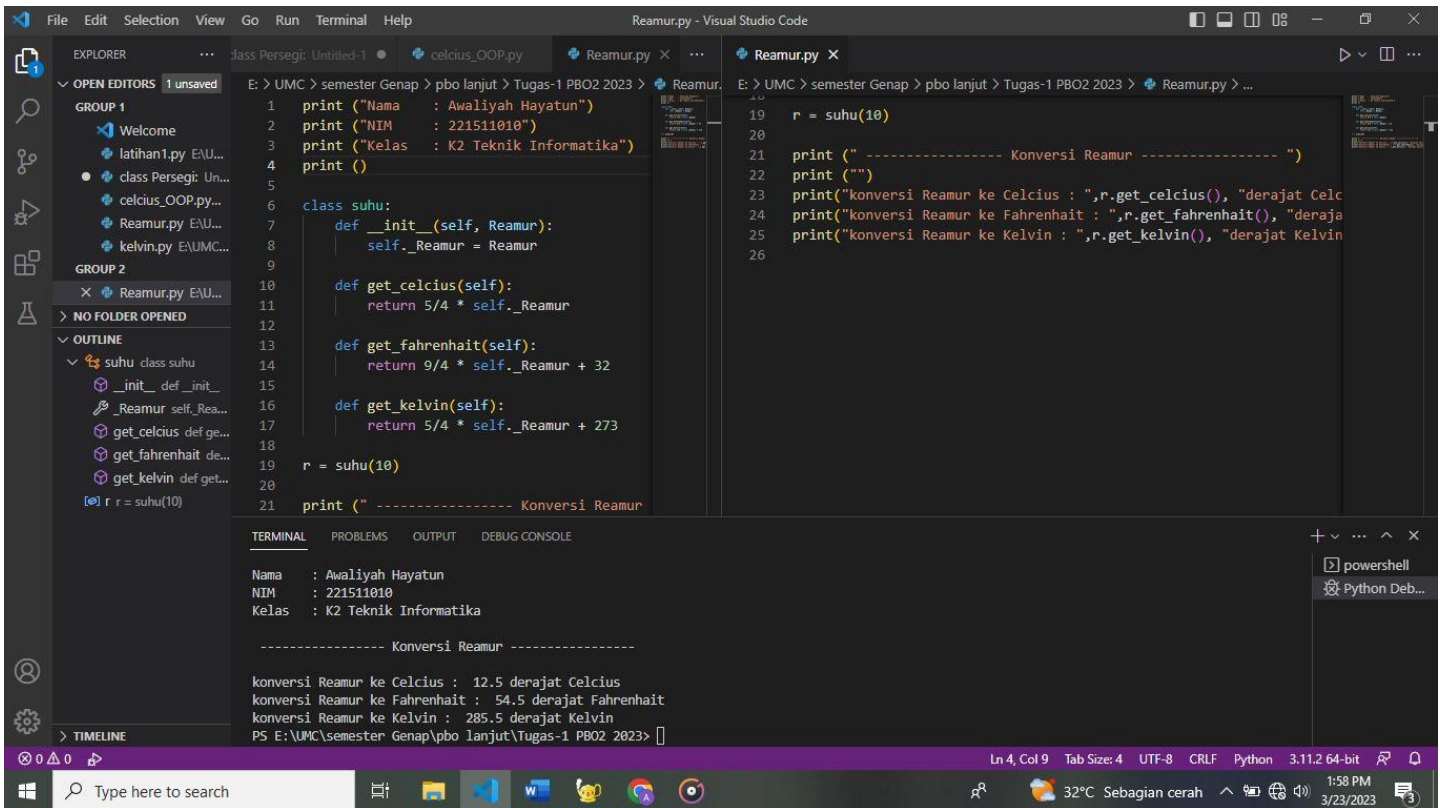
    def get_reamur(self):
        return 4/9 * 4 * (self._fahrenheit - 32)

f = suhu(10)

print (" ----- Konversi Fahrenheit ----- ")
print ("")
print("konversi Fahrenheit ke Celcius : ",f.get_celcius(), "derajat Celcius")
print("konversi Fahrenheit ke Kelvin : ",f.get_kelvin(), "derajat Kelvin")
print("konversi Fahrenheit ke Reamur : ",f.get_reamur(), "derajat Reamur")

```

2. Reamur



The screenshot shows the Visual Studio Code interface with the file `Reamur.py` open. The file contains a Python class `suhu` with methods for converting Reamur to Celsius, Fahrenheit, and Kelvin. The terminal output shows the execution of the script, displaying the user's name, NIM, and class, followed by the conversion results for 10 Reamur.

```
1 print ("Nama      : Awaliyah Hayatun")
2 print ("NIM       : 221511010")
3 print ("Kelas    : K2 Teknik Informatika")
4 print ()
5
6 class suhu:
7     def __init__(self, Reamur):
8         self._Reamur = Reamur
9
10    def get_celcius(self):
11        return 5/4 * self._Reamur
12
13    def get_fahrenheit(self):
14        return 9/4 * self._Reamur + 32
15
16    def get_kelvin(self):
17        return 5/4 * self._Reamur + 273
18
19 r = suhu(10)
20
21 print ("----- Konversi Reamur -----")
22 print ("")
23 print("konversi Reamur ke Celcius : ",r.get_celcius(), "derajat Celcius")
24 print("konversi Reamur ke Fahrenheit : ",r.get_fahrenheit(), "derajat Fahrenheit")
25 print("konversi Reamur ke Kelvin : ",r.get_kelvin(), "derajat Kelvin")
26
```

Terminal Output:

```
Nama      : Awaliyah Hayatun
NIM       : 221511010
Kelas    : K2 Teknik Informatika

----- Konversi Reamur -----

konversi Reamur ke Celcius : 12.5 derajat Celcius
konversi Reamur ke Fahrenheit : 54.5 derajat Fahrenheit
konversi Reamur ke Kelvin : 285.5 derajat Kelvin
PS E:\UMC\semester Genap\pbo lanjut\Tugas-1 PBO2 2023>
```

Script :

```
print ("Nama      : Awaliyah Hayatun")
print ("NIM       : 221511010")
print ("Kelas    : K2 Teknik Informatika")
print ()

class suhu:
    def __init__(self, Reamur):
        self._Reamur = Reamur

    def get_celcius(self):
        return 5/4 * self._Reamur

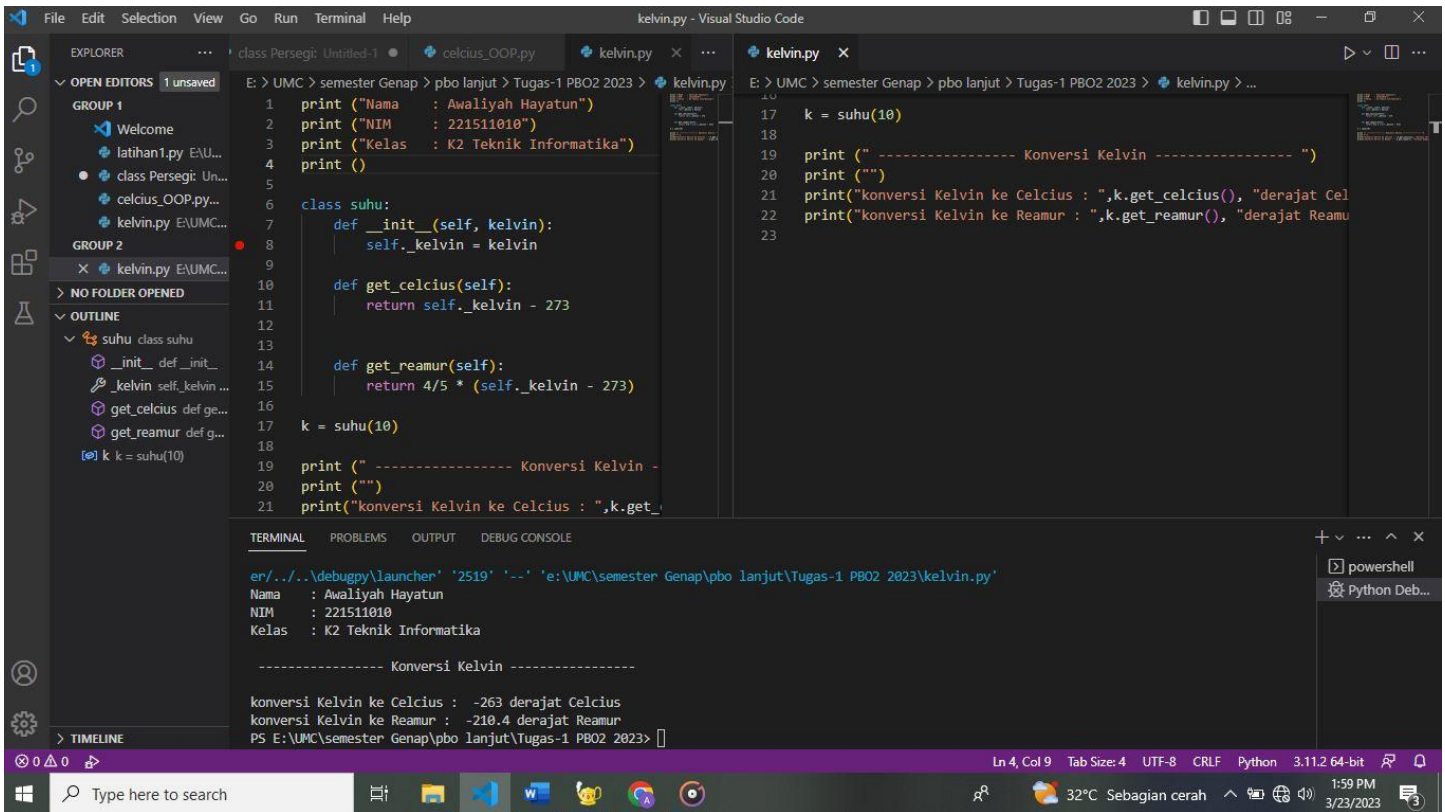
    def get_fahrenheit(self):
        return 9/4 * self._Reamur + 32

    def get_kelvin(self):
        return 5/4 * self._Reamur + 273
```

```
r = suhu(10)

print (" ----- Konversi Reamur ----- ")
print ("")
print("konversi Reamur ke Celcius : ",r.get_celcius(), "derajat Celcius")
print("konversi Reamur ke Fahrenheit : ",r.get_fahrenheit(), "derajat Fahrenheit")
print("konversi Reamur ke Kelvin : ",r.get_kelvin(), "derajat Kelvin")
```

3. Kelvin



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

EXPLORER
class Persegi: Untitled-1
celcius_OOP.py
kelvin.py x
kelvin.py x

OPEN EDITORS
1 unsaved
GROUP 1
Welcome
latihan1.py E:\U...
class Persegi: Un...
celcius_OOP.py...
kelvin.py E:\UMC...
GROUP 2
X kelvin.py E:\UMC...
NO FOLDER OPENED
OUTLINE
suhu class suhu
__init__ def __init__
kelvin self._kelvin ...
get_celcius def ge...
get_reamur def g...
k k = suhu(10)

TERMINAL
er/./...debugpy\launcher' '2519' '--' 'e:\UMC\semester Genap\pbo lanjut\Tugas-1 PBO2 2023\kelvin.py'
Nama : Awaliyah Hayatun
NIM : 221511010
Kelas : K2 Teknik Informatika

----- Konversi Kelvin -----
konversi Kelvin ke Celcius : -263 derajat Celcius
konversi Kelvin ke Reamur : -210.4 derajat Reamur
PS E:\UMC\semester Genap\pbo lanjut\Tugas-1 PBO2 2023>

Ln 4, Col 9 Tab Size: 4 UTF-8 CRLF Python 3.11.2 64-bit 1:59 PM 3/23/2023
```

Script :

```
print ("Nama      : Awaliyah Hayatun")
print ("NIM       : 221511010")
print ("Kelas    : K2 Teknik Informatika")
print ()

class suhu:
    def __init__(self, kelvin):
        self._kelvin = kelvin

    def get_celcius(self):
        return self._kelvin - 273

    def get_reamur(self):
        return 4/5 * (self._kelvin - 273)

k = suhu(10)
```

```
print (" ----- Konversi Kelvin ----- ")
print ("")
print("konversi Kelvin ke Celcius : ",k.get_celcius(), "derajat Celcius")
print("konversi Kelvin ke Reamur : ",k.get_reamur(), "derajat Reamur")
```