

Nama : Abdurrohman

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Kelas : R1 (T121A)

Tugas Minggu 1:

Buatlah 3 buah class ( Fahrenheit, Reamur, dan Kelvin) yang mengimplementasikan OOP dimana setiap class memiliki kemampuan untuk melakukan konversi ke Temperatur yang lain.

Jawaban berupa 3 buah screenshot script beserta hasilnya dikirim ke email (freddy.wicaksono@umc.ac.id) dengan subject: **Tugas-1 PBO2 2023**

SCRIPT CLASS SUHU:

1. Fahrenheit
2. Reamure
3. Kelvin

#Nama :Abdurrohman

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class fahrenheit:

    def \_\_init\_\_(self,f):

        self.fahrenheit=f

    def fahrenheit\_to\_celcius(self):

        F = (5/9) \* (self.fahrenheit-32)

        return F

    def fahrenheit\_to\_reamur(self):

        R = (4/9) \* (self.fahrenheit-32)

        return R

    def fahrenheit\_to\_kelvin(self):

        K = (self.fahrenheit-32)\* 5/9 + 273

        return K

F\_C = 75

FahrenheitA = fahrenheit(F\_C)

print("Konversi",F\_C, "derajat fahrenheit adalah:", {FahrenheitA.fahrenheit\_to\_celcius()}, "derajat Celcius\n")

F\_R = 60

FahrenheitB = fahrenheit(F\_R)

print("Konversi",F\_R, "derajat Fahrenheit adalah", {FahrenheitB.fahrenheit\_to\_reamur()}, "derajat Reamur\n")

F\_K = 90

FahrenheitC = fahrenheit(F\_K)

print("Konversi",F\_R, "derajat Fahrenheit adalah", {FahrenheitC.fahrenheit\_to\_kelvin()}, "derajat Kelvin\n")

print("-"\*100)

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class reamur:

    def \_\_init\_\_(self,r):

            self.reamur=r

    def reamur\_to\_celcius(self):

        F = (5/4) \* (self.reamur)

        return F

    def reamur\_to\_fahrenheit(self):

        R = (9/4) \* self.reamur+32

        return R

    def reamur\_to\_kelvin(self):

        K = (self.reamur/0.8) + 273

        return K

R\_C = 75

ReamurA = reamur (R\_C)

print("Konversi",R\_C, "derajat reamur adalah:", {ReamurA.reamur\_to\_celcius()}, "derajat Celcius\n")

R\_F = 60

ReamurB = reamur (R\_F)

print("Konversi",R\_F, "derajat reamur adalah", {ReamurB.reamur\_to\_fahrenheit()}, "derajat Fahrenheit\n")

R\_K = 90

ReamurC = reamur (R\_K)

print("Konversi",R\_K, "derajat reamur adalah", {ReamurC.reamur\_to\_kelvin()}, "derajat Kelvin\n")

print("-"\*100)

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class kelvin:

    def \_\_init\_\_(self, k):

        self.kelvin = k

    def kelvin\_to\_fahrenheit(self):

        F =  (self.kelvin\*9/5) - 459.67

        return F

    def kelvin\_to\_reamur(self):

        R = (4/5) \* (self.kelvin-273)

        return R

    def kelvin\_to\_celcius(self):

        K = self.kelvin - 273.15

        return K

k\_F = 75

KelvinA = kelvin(k\_F)

print("Konversi",k\_F, "derajat kelvin adalah:", {KelvinA.kelvin\_to\_fahrenheit()}, "derajat Farenheit\n")

k\_R = 60

kelvinB = kelvin(k\_R)

print("Konversi",k\_R, "derajat kelvin adalah", {kelvinB.kelvin\_to\_reamur()}, "derajat Reamur\n")

k\_C = 90

kelvinC = kelvin(k\_C)

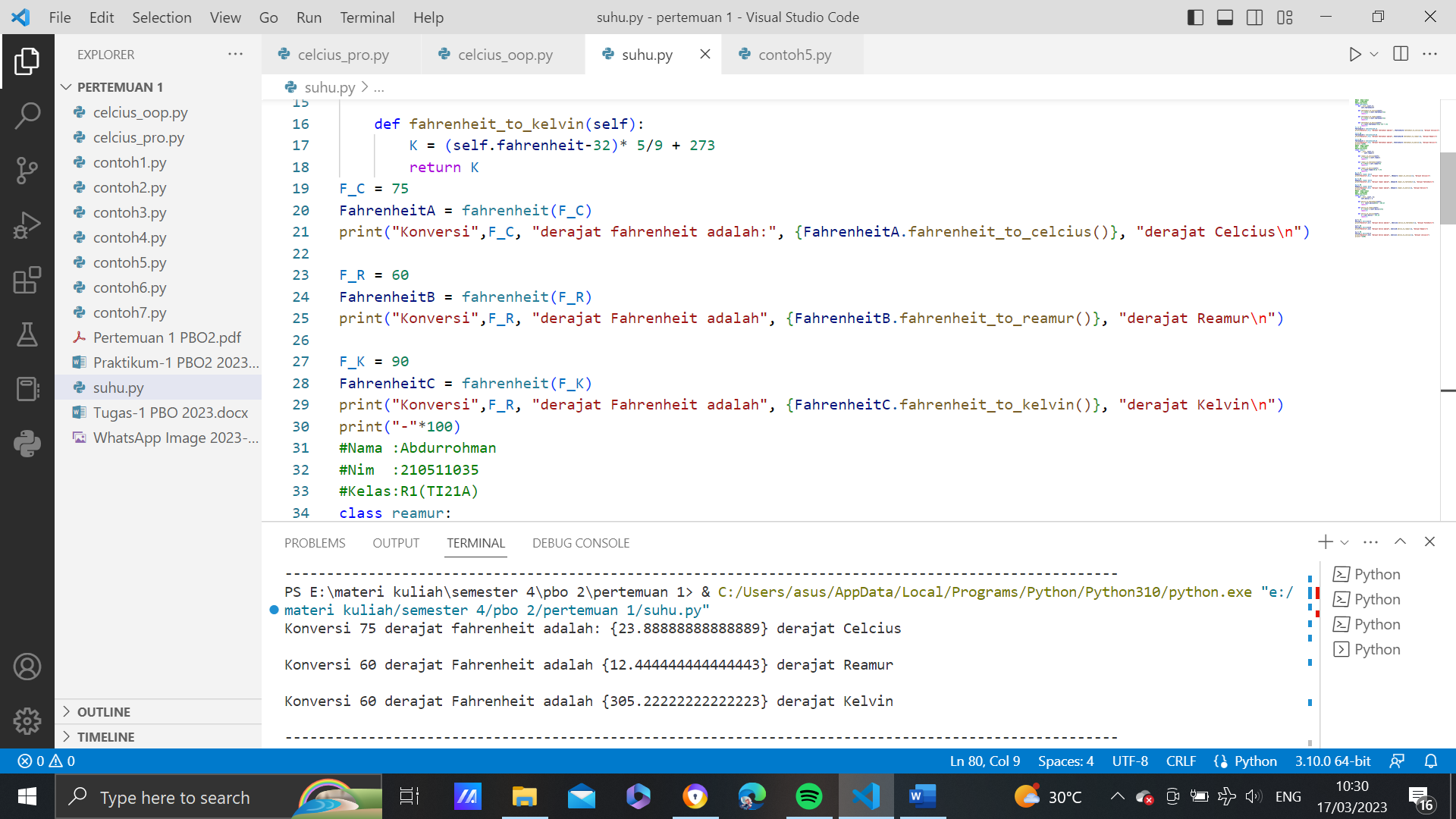
print("Konversi",k\_R, "derajat kelvin adalah", {kelvinC.kelvin\_to\_celcius()}, "derajat celcius\n")

print("-"\*100)

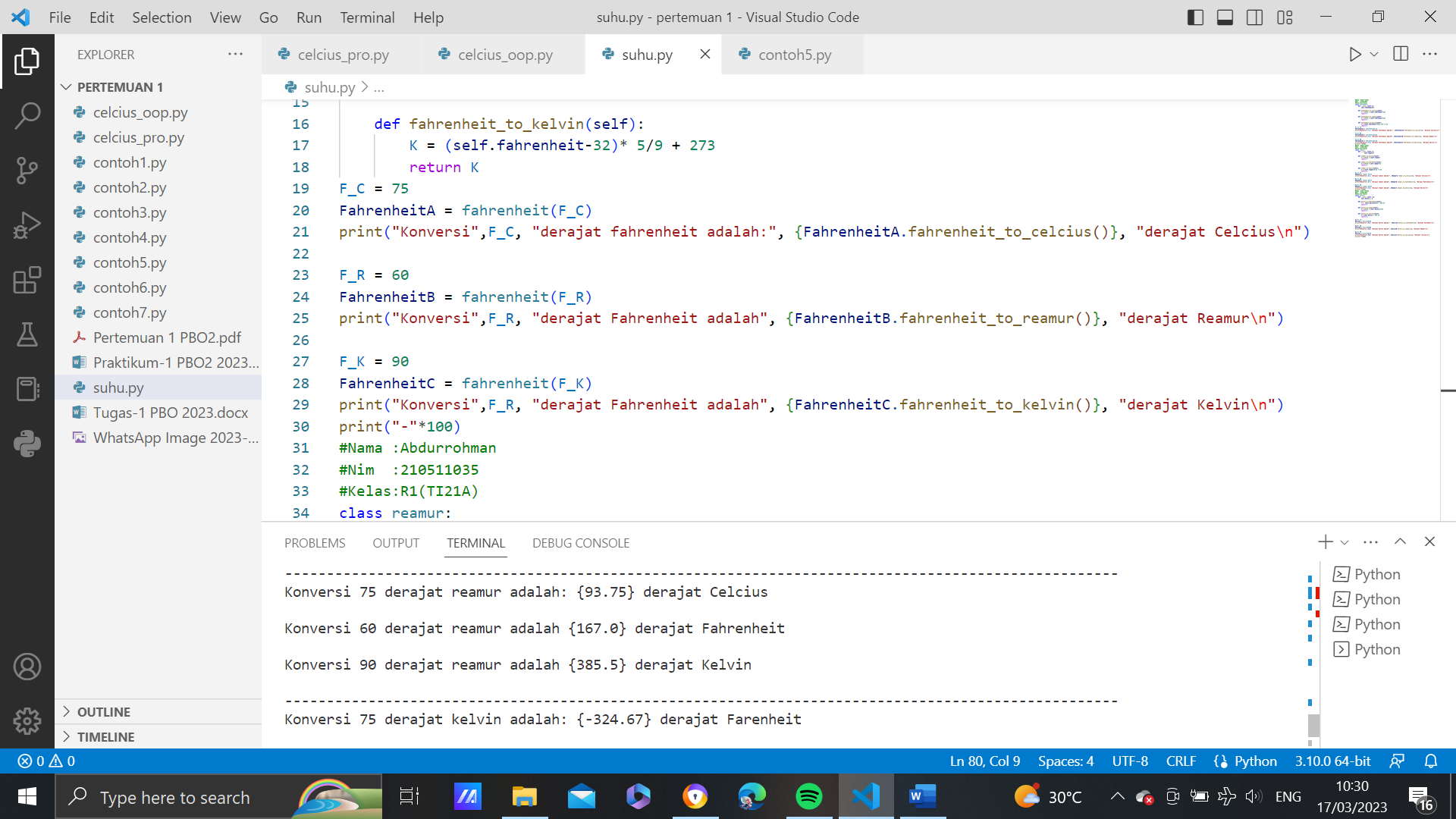
LINK GITHUB : https://github.com/Abdurrohman1

SCREENSHOT CLASS SUHU:

1. Fahrenheit



1. Reamure



1. Kelvin

