LAPORAN PRAKTIKUM

PEMROGRAMAN BERORIENTASI OBJEK LANJUT

2023

Prepared By:

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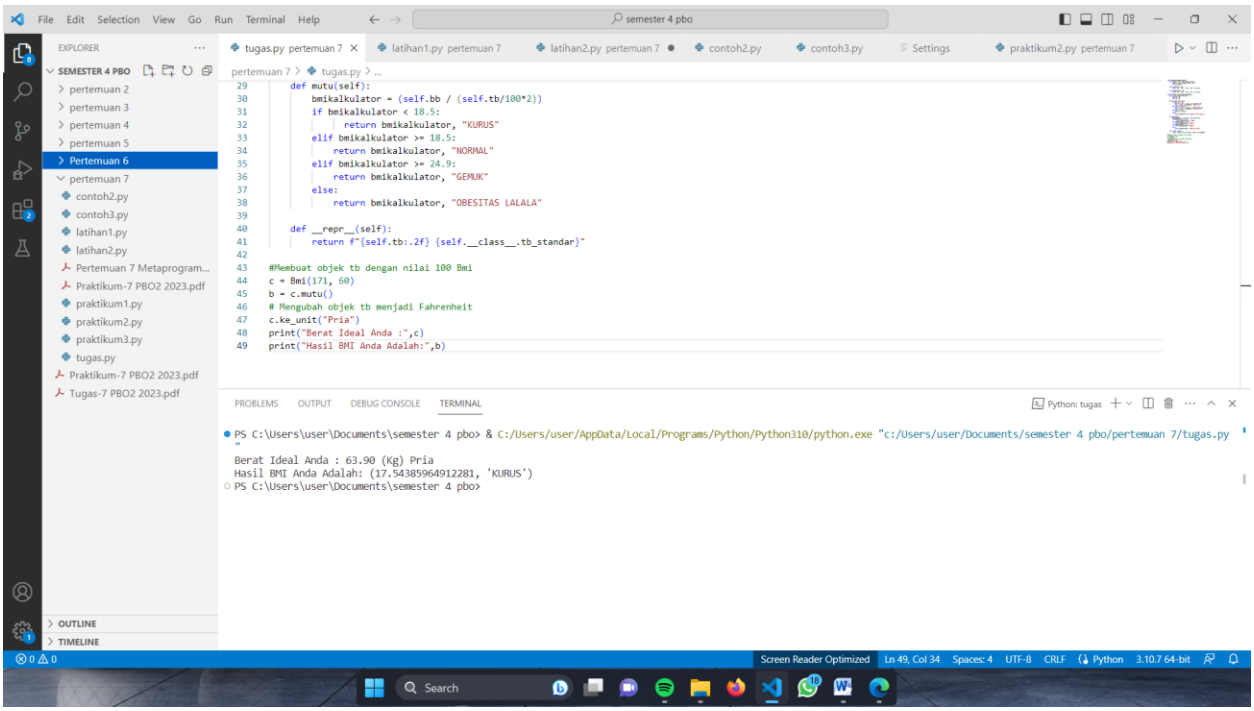
TUGAS 7

```python
class BodyMassIndexMeta(type):
    def __init__(cls, name, bases, attrs):
        super().__init__(name, bases, attrs)
        cls.tb_standar = ""

    def to_pria(cls, tb):
        return (tb - 100) - ((tb - 100) * (10/100))

    def to_wanita(cls, tb):
        return (tb - 100) - ((tb - 100) * (15/100))

class Bmi(metaclass=BodyMassIndexMeta):
    def __init__(self, tb, bb):
        self.tb = tb
        self.bb = bb

    def ke_unit(self, unit):
        if unit == "Pria":
            self.tb = self.__class__.to_pria(self.tb)
            self.__class__.tb_standar = "(Kg) Pria"
        elif unit == "Wanita":
            self.tb = self.__class__.to_wanita(self.tb)
            self.__class__.tb_standar = "(Kg) Wanita"
        elif unit == "Bmi":
            pass # do nothing
        else:
            raise ValueError(f"Unit {unit} tidak dikenal.")

    def mutu(self):
        bmikalkulator = (self.bb / (self.tb/100*2))
        if bmikalkulator < 18.5:
              return bmikalkulator, "KURUS"
        elif bmikalkulator >= 18.5:
            return bmikalkulator, "NORMAL"
        elif bmikalkulator >= 24.9:
            return bmikalkulator, "GEMUK"
        else:
            return bmikalkulator, "OBESITAS LALALA"

    def __repr__(self):
        return f"{self.tb:.2f} {self.__class__.tb_standar}"

#Membuat objek tb dengan nilai 100 Bmi
c = Bmi(171, 60)
b = c.mutu()
# Mengubah objek tb menjadi Fahrenheit
c.ke_unit("Pria")
print("Berat Ideal Anda :",c)
print("Hasil BMI Anda Adalah:",b)
```


File Edit Selection View Go Run Terminal Help
semester 4 pbo
EXPLORER
SEMESTER 4 PBO
pertemuan 2
pertemuan 3
pertemuan 4
pertemuan 5
Pertemuan 6
pertemuan 7
contoh2.py
contoh3.py
latihan1.py
latihan2.py
Pertemuan 7 Metaprogram...
Praktikum-7 PBO2 2023.pdf
praktikum1.py
praktikum2.py
praktikum3.py
tugas.py
Praktikum-7 PBO2 2023.pdf
Tugas-7 PBO2 2023.pdf
tugas.py pertemuan 7
latihan1.py pertemuan 7
latihan2.py pertemuan 7
contoh2.py
contoh3.py
Settings
praktikum2.py pertemuan 7
pertemuan 7 > tugas.py > ...
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print("Berat Ideal Anda :",c)
print("Hasil BMI Anda Adalah:",b)
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
Python: tugas
PS C:\Users\user\Documents\semester 4 pbo> & C:/Users/user/AppData/Local/Programs/Python/Python310/python.exe "c:/Users/user/Documents/semester 4 pbo/pertemuan 7/tugas.py"
Berat Ideal Anda : 63.90 (Kg) Pria
Hasil BMI Anda Adalah: (17.5438596491228l, 'KURUS')
PS C:\Users\user\Documents\semester 4 pbo>
OUTLINE
TIMELINE
Screen Reader Optimized
Ln 49, Col 34
Spaces: 4
UTF-8
CRLF
Python
3.10.7 64-bit
Search