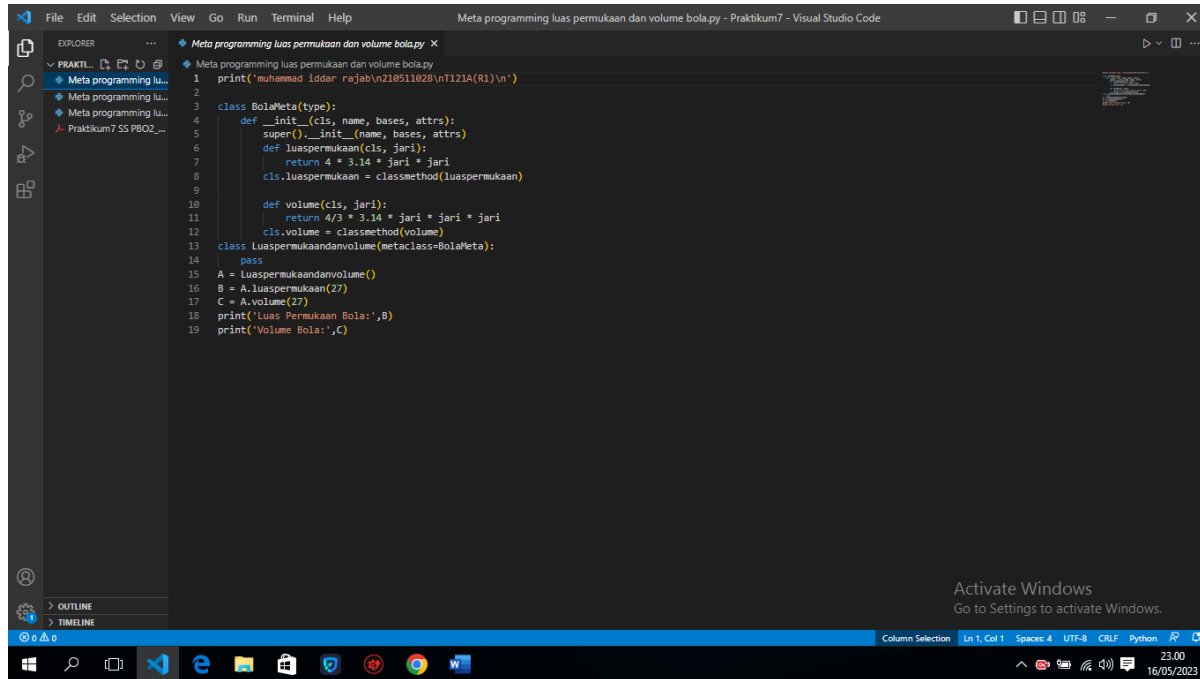


nama : muhammad iddar rajab  
kelas : R1  
nim : 210511028

### 1. Meta programing luas permukaan dan volume bola



```
File Edit Selection View Go Run Terminal Help
Meta programming luas permukaan dan volume bola.py - Praktikum7 - Visual Studio Code

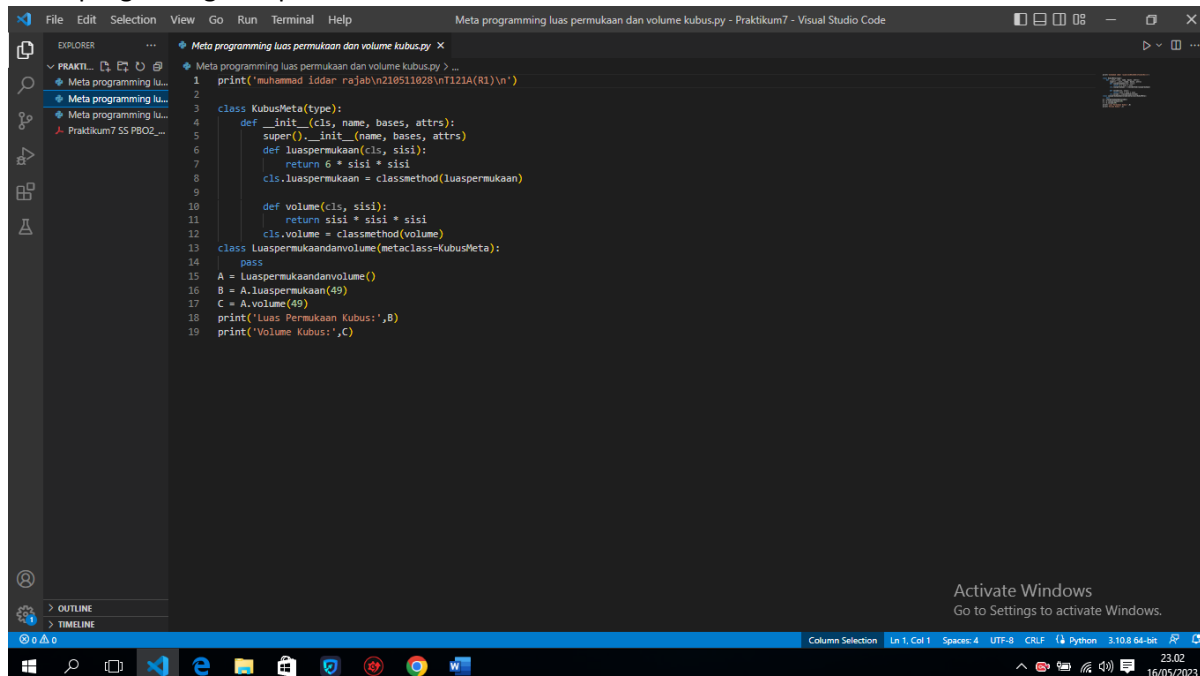
EXPLORER
  Meta programming luas permukaan dan volume bola.py
  PRAKTI...
  Meta programming lu...
  Meta programming lu...
  Praktikum7 55 PBO2_...

1 print('muhammad iddar rajab\n210511028\nT121A(R1)\n')
2
3 class BolaMeta(type):
4     def __init__(cls, name, bases, attrs):
5         super().__init__(name, bases, attrs)
6         def luaspermukaan(cls, jari):
7             return 4 * 3.14 * jari * jari
8         cls.luaspermukaan = classmethod(luaspermukaan)
9
10        def volume(cls, jari):
11            return 4/3 * 3.14 * jari * jari * jari
12        cls.volume = classmethod(volume)
13    class LuaspermukaanDanVolume(metaclass=BolaMeta):
14        pass
15    A = LuaspermukaanDanVolume()
16    B = A.luaspermukaan(27)
17    C = A.volume(27)
18    print('Luas Permukaan Bola:',B)
19    print('Volume Bola:',C)
```

Activate Windows  
Go to Settings to activate Windows.

Column Selection Ln 1, Col 1 Spaces: 4 UTF-8 CRLF Python 3.10.8 64-bit 23.00 16/05/2023

### 2. Meta programing luas permukaan dan volume kubuh



```
File Edit Selection View Go Run Terminal Help
Meta programming luas permukaan dan volume kubus.py - Praktikum7 - Visual Studio Code

EXPLORER
  Meta programming luas permukaan dan volume kubus.py
  PRAKTI...
  Meta programming lu...
  Meta programming lu...
  Praktikum7 55 PBO2_...

1 print('muhammad iddar rajab\n210511028\nT121A(R1)\n')
2
3 class KubusMeta(type):
4     def __init__(cls, name, bases, attrs):
5         super().__init__(name, bases, attrs)
6         def luaspermukaan(cls, sisi):
7             return 6 * sisi * sisi
8         cls.luaspermukaan = classmethod(luaspermukaan)
9
10        def volume(cls, sisi):
11            return sisi * sisi * sisi
12        cls.volume = classmethod(volume)
13    class LuaspermukaanDanVolume(metaclass=KubusMeta):
14        pass
15    A = LuaspermukaanDanVolume()
16    B = A.luaspermukaan(49)
17    C = A.volume(49)
18    print('Luas Permukaan Kubus:',B)
19    print('Volume Kubus:',C)
```

Activate Windows  
Go to Settings to activate Windows.

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### 3. Meta programing luas permukaan dan volume tabung

