LAPORAN PRAKTIKUM

PEMROGRAMAN BERORIENTASI OBJEK LANJUT

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Prepared By:

Dewi Alvi Nurfadilah
210511085
TI21B/R2

Buatlah 3 aplikasi untuk menghitung volume dan luas permukaan selain dari contoh diatas menggunakan teknik Metaprogramming.

1. **Luas permukaan kubus**

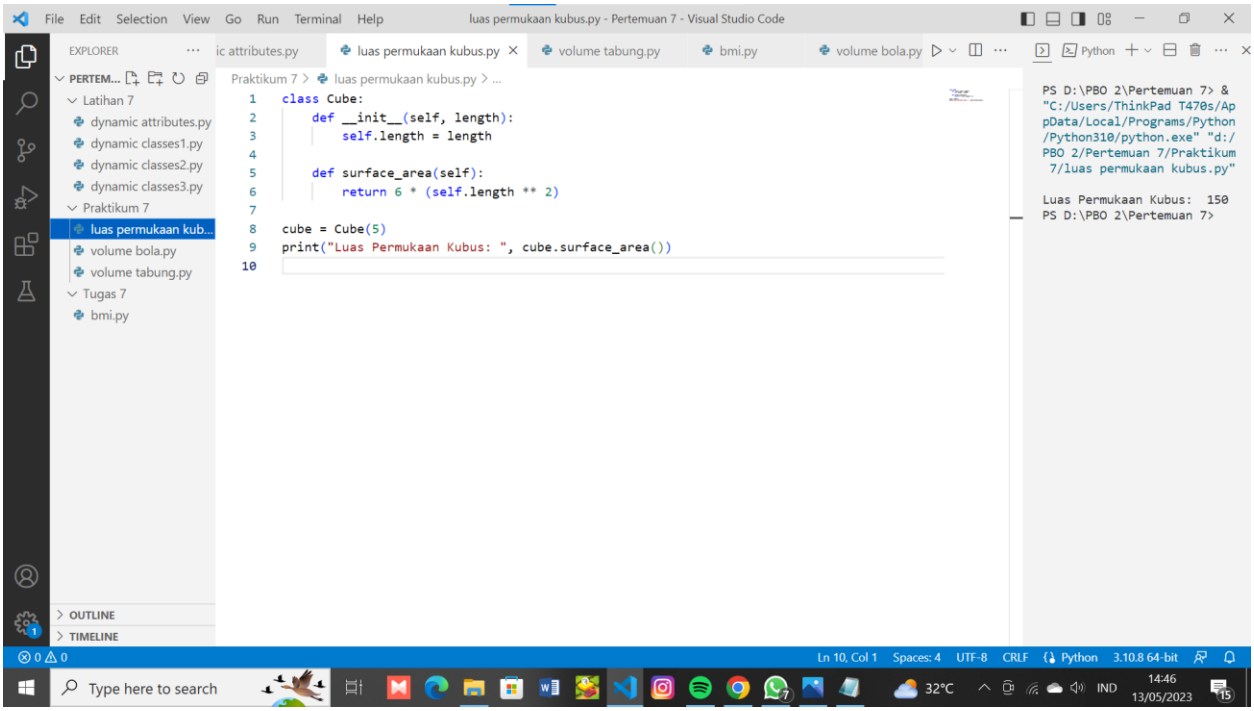
Script :

```
class Cube:
    def __init__(self, length):
        self.length = length

    def surface_area(self):
        return 6 * (self.length ** 2)

cube = Cube(5)
print("Luas Permukaan Kubus: ", cube.surface_area())
```

Output :



2. **Volume bola**

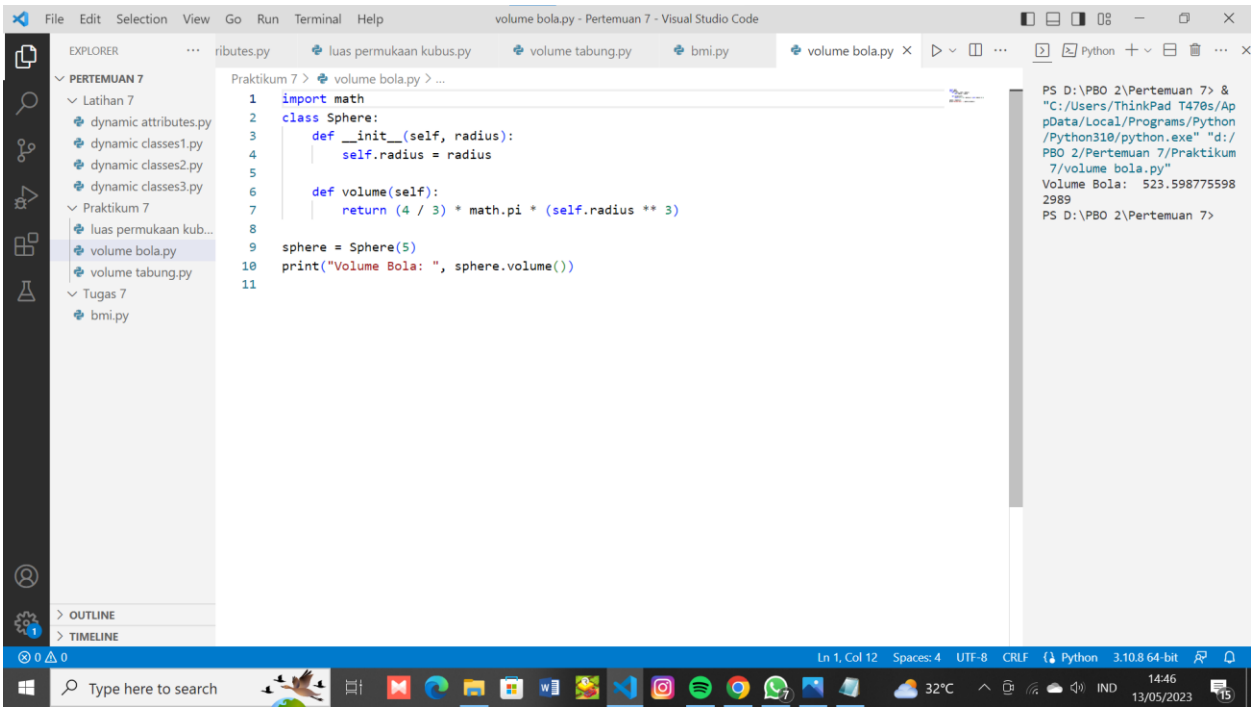
Script :

```
import math
class Sphere:
    def __init__(self, radius):
        self.radius = radius

    def volume(self):
        return (4 / 3) * math.pi * (self.radius ** 3)

sphere = Sphere(5)
print("Volume Bola: ", sphere.volume())
```

Output :



3. Volume tabung

Script :

```
import math
class Cylinder:
    def __init__(self, radius, height):
        self.radius = radius
        self.height = height

    def volume(self):
        return math.pi * (self.radius ** 2) * self.height

cylinder = Cylinder(3, 10)
print("Volume Tabung: ", cylinder.volume())
```

Output :