

Program:-

```
class sphere:
```

```
    Rad = None
```

```
    def GetR(self):
```

```
        r = int(input("Enter the radius (in cm):"))
```

```
        self.Rad = r
```

```
    def Diac(self):
```

```
        D = 2 * self.Rad
```

```
        Print("The Diameter of the sphere is", D, "cm")
```

```
    def circ(self):
```

```
        C = 2 * 3.14 * self.Rad
```

```
        Print("The circumference of the sphere  
is:", C, "cm")
```

```
    def Volc(self):
```

```
        V = 4/3 * 3.14 * self.Rad**3
```

```
        Print("The volume of the sphere is:", V, "cm^3")
```

```
s1 = sphere()
```

```
s1.GetR()
```

```
s1.Diac()
```

```
s1.circ()
```

```
s1.Volc()
```

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Output:-

Enter the radius (in cm): 5

The Diameter of the sphere is: 10 cm

The circumference of the sphere is: *31.40000000

00000002 cm

The volume of the sphere is: 523.333333333334 cm³