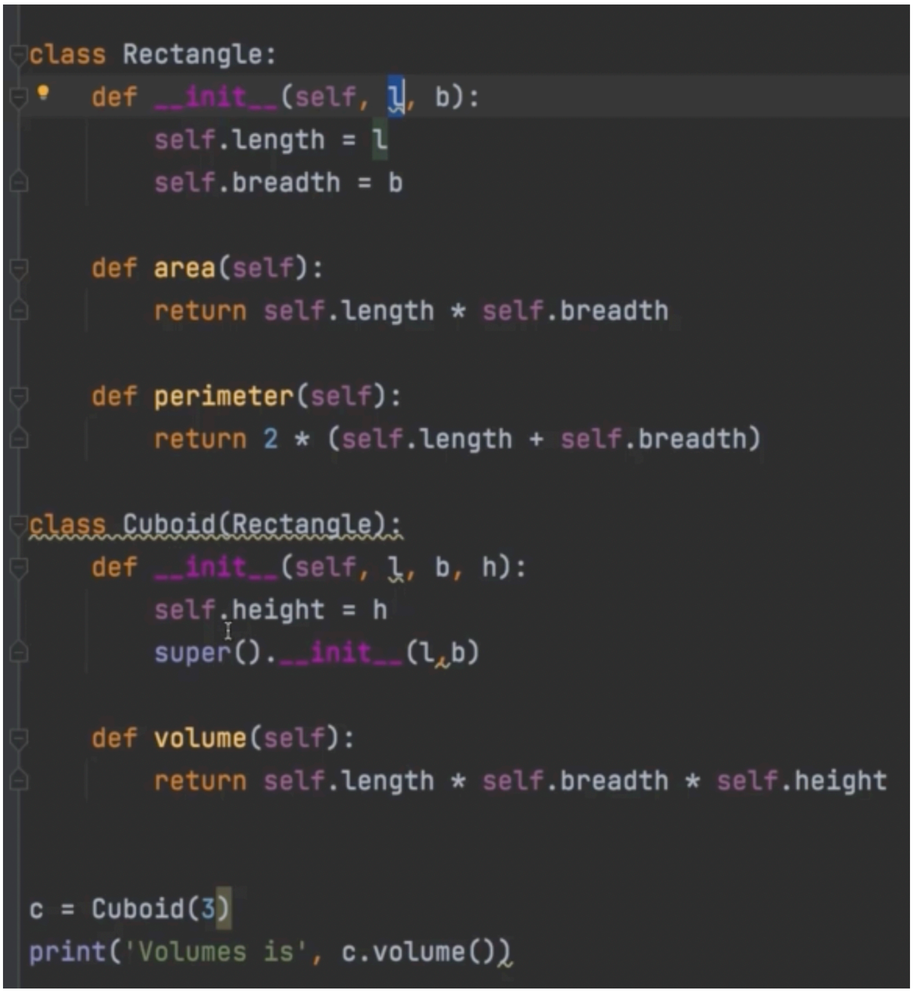
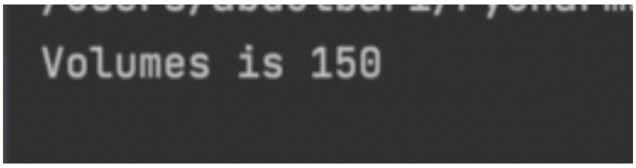
Writing Construct Inheritance

- Lets understand the concept of construct with an example



```
class Rectangle:
    def __init__(self, l, b):
        self.length = l
        self.breadth = b

    def area(self):
        return self.length * self.breadth

    def perimeter(self):
        return 2 * (self.length + self.breadth)

class Cuboid(Rectangle):
    def __init__(self, l, b, h):
        self.height = h
        super().__init__(l,b)

    def volume(self):
        return self.length * self.breadth * self.height


c = Cuboid(3)
print('Volumes is', c.volume())
```



```
Volumes is 150
```

- Our parent class is rectangle , which is having constructor and two methods I.e to find area and perimeter of a rectangle

- we are creating another class (child class) called cuboid which is inheriting all properties of a rectangle class but the cuboid class is also have its own constructor , we are unable to use rectangle method because

- When a child class is having its own construct parent class construct cannot be called in child class

- To overcome the constructor of child class we should use super( ) method , so, that we can access parent class method in child class

- Therefore , this process is called constructor overriding in Inheritance .