

Inner/Nested classes

It means we can define class in another class.

Means class can have class as it's members just like a class can have attributes and methods similarly a class can also have a class as it's members.

Let us write class for customer:

```
class Customer:

    def __init__(self, id, name):
        self.custid=id
        self.name=name
        self.baddr=Address()
        self.saddr=Address()
```

These are attributes for the class customer

```
class Customer:

    def __init__(self, id, name, baddr, saddr):
        self.custid=id
        self.name=name
        self.baddr=baddr
        self.saddr=saddr

    class Address:
        def __init__(self, dno, street, city, country, pin):
            self.dno=dno
            self.street=street
            self.city=city
            self.country=country
            self.pin=pin

        def display(self):
            print(self.dno)
            print(self.street)
            print(self.city)
            print(self.country)
            print(self.pin)

c = Customer(10, 'John', '101', 'abc', 'delhi', 'india', 10001, 200, 'ijk', 'mumbai', 'india', 40001)
c.saddr.display()
```

Output:

```
200
ijk
mumbai
india
40001
```