In [1]:

```
class Animal():

    def __init__(self):
        print("Animal Created")

    def who_am_i(self):
        print("i am an Animal")

    def eat(self):
        print("i am eating")
```

In [2]:

```
class Dog(Animal): # Inheritance

    def __init__(self):
        Animal.__init__(self) #create instance of animal class
                              # when I create any instance of dog class
        print("Dog Created")

    def who_am_i(self): # overiding methods of base class
        print("I am a Dog")

    def bark(self): # create add-on methods
        print("WOOF!")
```

In [3]:

```
mydog = Dog() # __init__ method of dog is called and indirectly
              # i am calling __init__ method of Animal class
```

```
Animal Created
Dog Created
```

In [4]:

```
myanimal = Animal()
```

```
Animal Created
```

In [5]:

```
myanimal.who_am_i()
```

```
i am an Animal
```

In [6]:

```
mydog.who_am_i() #after overriding
```

```
I am a Dog
```

In [7]:

```
youranimal = Animal()
```

```
Animal Created
```