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In [ ]: #Program to demonstrate inheritance concepts
#Multiple Inheritance

class Pet:
    def Pet_info(self):
        print("Welcome to pet shop management System")

class Cats:
    def Cats_info(self):
        print("You can purchase various cat products from this online store")

class ManagementSystem(Pet, Cats):
    pass

# create an object of Bat class
b1 = ManagementSystem()

b1.Pet_info()
b1.Cats_info()
```

Welcome to pet shop management System
You can purchase various cat products from this online store

```
In [ ]: #Multilevel Inheritance

class PetShopManagementSystem:

    def pet_method(self):
        print("Pet Shop Mangement System consists of various pet categories and pet products")

# define class that derive from SuperClass
class Cats(PetShopManagementSystem):
    def Cats_method(self):
        print("This session is related to cat products")

# define class that derive from DerivedClass1
class Persian_Cat(Cats):

    def Persian_Cat(self):
        print("Persian cat breed comes under Cat category")

# create an object of DerivedClass2
d2 = Persian_Cat()

d2.pet_method()

d2.Cats_method()

d2.Persian_Cat()
```

Pet Shop Mangement System consists of various pet categories and pet products.
This session is related to cat products
Persian cat breed comes under Cat category

```
In [ ]: #Hierarchial Inheritance
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```
class PetShopManagementSystem:
    def Pet(self):
        print("Pet Shop management System.")

class Cat(PetShopManagementSystem):
    def Cat(self):
        print("This session includes Cat products.")

class Dog(PetShopManagementSystem):
    def Dog(self):
        print("This session includes Dog products.")

object1 = Cat()
object2 = Dog()
object1.Pet()
object1.Cat()
object2.Dog()
object2.Pet()
```

Pet Shop management System.
This session includes Cat products.
This session includes Dog products.
Pet Shop management System.