Multilevel Inheritance in python

Multilevel inheritance is a type of inheritance in object oriented programming where a derived class inherits from derived class. This type if inheritance allows you to build a hierarchy of classes where one class builds upon another, leading to a more specialized class.

Syntax

```python
class Animal:
    def __init__(self,name,species):
        self.name=name
        self.species=species


    def show_details(self):
        print(f"Name: {self.name}")
        print(f"Species: {self.species}")


class Dog(Animal):
    def __init__(self, name, breed):
        Animal.__init__(self,name,species="Dog")
        self.breed=breed
    def show_details(self):
        Animal.show_details(self)
        print(f"Breed: {self.breed}")

class GoldenRetriever(Dog):
    def __init__(self, name,color):
        Dog.__init__(self,name,breed="GoldenRetriever")
        self.color=color

    def show_details(self):
        Dog.show_details(self)
        print(f"Color: {self.color}")


obj=GoldenRetriever("tommy","Black")
obj.show_details()
print(GoldenRetriever.mro())
```

Source Code

```python
class Animal:
    def __init__(self,name,species):
        self.name=name
        self.species=species


    def show_details(self):
        print(f"Name: {self.name}")
        print(f"Species: {self.species}")


class Dog(Animal):
    def __init__(self, name, breed):
        Animal.__init__(self,name,species="Dog")
        self.breed=breed
    def show_details(self):
        Animal.show_details(self)
        print(f"Breed: {self.breed}")

class GoldenRetriever(Dog):
    def __init__(self, name,color):
        Dog.__init__(self,name,breed="GoldenRetriever")
        self.color=color

    def show_details(self):
        Dog.show_details(self)
        print(f"Color: {self.color}")



obj=GoldenRetriever("tommy","Black")
obj.show_details()
print(GoldenRetriever.mro())
```

Thank You