

Multiple Inheritance in python

Single inheritance is a powerful feature in object oriented programming that allows a class to inherit attributes and methods from multiple parent classes. This can be useful in situations where a class needs to inherit functionality from multiple sources.

Syntax

In Python, multiple inheritance is implemented by specifying multiple parent classes in the class definition, separated by commas.

```
class Programmer:
    def __init__(self,name):
        self.name=name
    def show(self):
        print(f"The name is {self.name} ")

class Singer:
    def __init__(self,singer):
        self.singer=singer

    def show(self):
        print(f"The name is {self.singer} ")

class SingerProgrammer(Programmer,Singer):
    def __init__(self,singer,name):
        self.singer=singer
        self.name=name

pro=SingerProgrammer("Kardiya Dill Tere Nuam","Munawar")
print(pro.name)
print(pro.singer)
pro.show()
print(SingerProgrammer.mro())
# mro stand method resolution order
```

Source Code

```
class Programmer:
    def __init__(self,name):
        self.name=name
    def show(self):
        print(f"The name is {self.name} ")

class Singer:
    def __init__(self,singer):
        self.singer=singer

    def show(self):
        print(f"The name is {self.singer} ")

class SingerProgrammer(Programmer,Singer):
    def __init__(self,singer,name):
        self.singer=singer
        self.name=name

pro=SingerProgrammer("Kardiya Dill Tere Nuam","Munawar")
print(pro.name)
print(pro.singer)
pro.show()
print(SingerProgrammer.mro())
# mro stand method resolution order
```

Thank You