Multiple Inheritance in Python   ¶
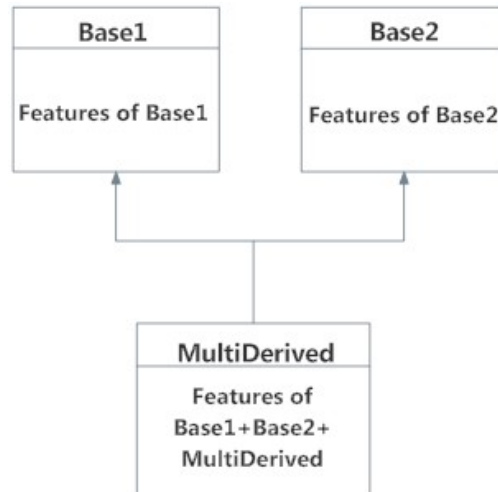
- A class can be derived from more than one base classes in Python. This is called multiple inheritance.

- In multiple inheritance, the features of all the base classes are inherited into the derived class. The syntax for multiple inheritance is similar to single inheritance.

Example:

In [1]:

```
class Base1:
    pass

class Base2:
    pass

class MultiDerived(Base1, Base2):
    pass
```
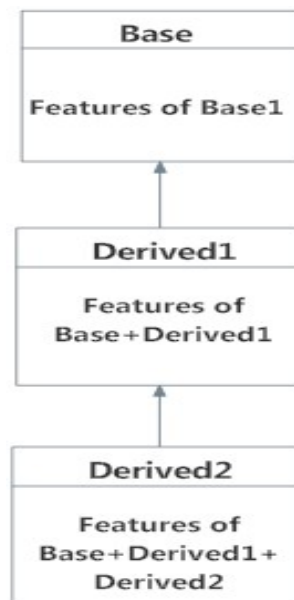
Here, **MultiDerived** is derived/inherits from classes **Base1**and **Base2**.

Multilevel Inheritance in Python

- We can also inherit form a derived class. This is called multilevel inheritance. It can be of any depth in Python.

- In multilevel inheritance, features of the base class and the derived class is inherited into the new derived class.

Example:

In [2]:

```python
class Base:
    pass

class Derived1(Base):
    pass

class Derived2(Derived1):
    pass
```

Here, **Derived1** is derived from **Base**, and **Derived2** is derived from **Derived1**.