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Section - 1

Q1

Ans → Python Multiple Inheritance :-

- The name says it all. One class extending more than one class is called Multiple inheritance.

This is one of the cool specialties of python which makes it more convenient than java in some cases (Java doesn't support multiple inheritance.) Java doesn't have it because at times multiple inheritance may create some ambiguity. We shall talk about it later in this tutorial.

- Multiple Inheritance Vs Multi-level Inheritance :-

- The main difference b/w multiple & multi-level inheritance is that, in multi-level inheritance the superclass may also inherit another superclass. And in this way different level of inheritance can be created among the classes.

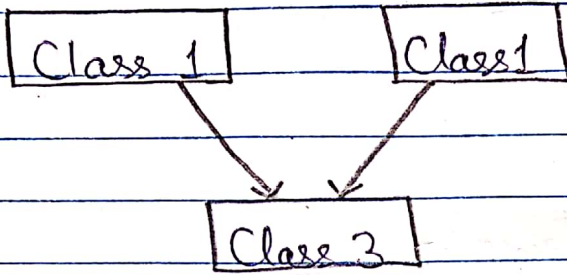


Fig :- Multiple Inheritance

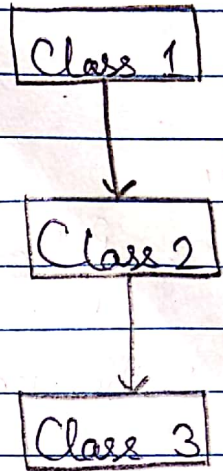


Fig :- Multi-level Inheritance.

• Python Multiple Inheritance Example :-

Let's demonstrate a short example of python multiple inheritance.

The classes Person & Students are superclass here & Resident is the subclass.

The class Resident extends both Person & Student to inherit the properties of both classes.