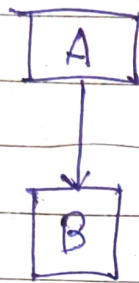


Name - Kheer sagar Parja
Roll no - 01UG19020020

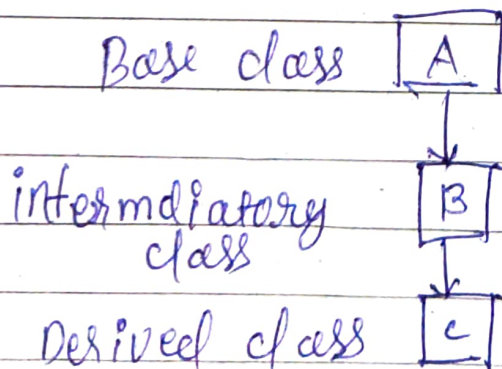
Q.43.

Ans:-

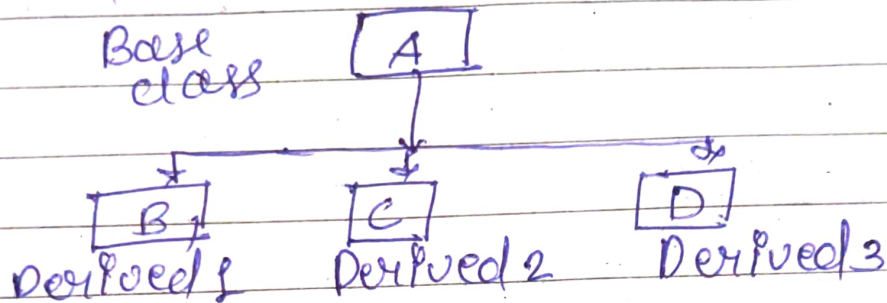
1. Single inheritance:- subclasses inherit the feature of one superclass. In figure below, class A serves as a base class for the derived class B.



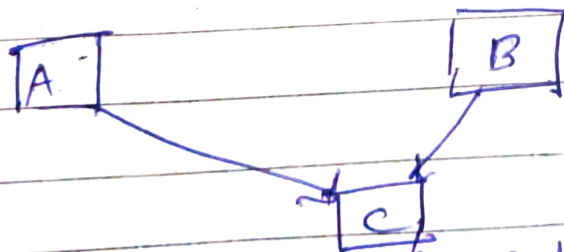
2. Multilevel inheritance:- a derived class will be inheriting a base class and as well as the derived class act as the base class to other class. In figure below class A serves as a base class for the derived class B, which in turn serves as a base class for the derived class C.



3. Hierarchical Inheritance:- One class serves as a superclass (base class) for ~~to~~ more than one ~~class~~ subclass. In figure below, class A serves as a base class for the derived class B, C, and D.



4. Multiple Inheritance:- One class can have more than superclass and inherit feature from all parent classes. Java does not support multiple inheritance with classes but can be achieved by using inheritance.



multiple inheritance.

5. Hybrid Inheritance:- It is a mix of two or more of the above types of inheritance. Since Java does not support multiple inheritance with classes, hybrid inheritance is also not possible using classes. Can be achieved using interfaces.

