Q1. What is the meaning of multiple inheritance?

Multiple inheritance is a feature of some object-oriented computer programming languages in which an object or class can inherit characteristics and features from more than one parent object or the parent class

Q2. What is the concept of delegation?

Delegation is an object oriented technique (also called a design pattern). Let's say you have an object x and want to change the behaviour of just one of its methods. You can create a new class that provides a new implementation of the method you're interested in changing and delegates all other methods to the corresponding method of x.

Q3. What is the concept of composition?

It is one of the fundamental concepts of Object-Oriented Programming. In this concept, we will describe a class that references to one or more objects of other classes as an Instance variable. Here, by using the class name or by creating the object we can access the members of one class inside another class. It enables creating complex types by combining objects of different classes. It means that a class Composite can contain an object of another class Component. This type of relationship is known as Has-A Relation.

Q4. What are bound methods and how do we use them?

If a function is an attribute of class and it is accessed via the instances, they are called bound methods. A bound method is one that has ‘self‘ as its first argument. Since these are dependent on the instance of classes, these are also known as instance methods.

Q5. What is the purpose of pseudoprivate attributes?