Q1. What is the meaning of multiple inheritance?

Ans: Inheritance is nothing but reusing the code of Parent class by the child class. Similarly when a child class inherits its properties from multiple Parent classes this scenario is called Multiple Inheritance

Q2. What is the concept of delegation?

Ans:

Delegation provides a proxy object for any class that you want on top of the main class. it's like a wrapper to your class so that you can access limited resources of the main class.

it Wraps the object of main class into a smaller object with limited access

Simply Delegation means that you can include an instance of another class as an instance variable, and forward messages to the instance.

Q3. What is the concept of composition?

Ans:

In the concept of Composition, a class refers to one or more other classes by using instances of those classes as an instance variable. irrespective of inheritance in this approach all the parent class members are not inherited into child class, but only required methods from a class are used by using class instances.

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

Ans;;

If a function is an attribute of a 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.

Q5. What is the purpose of pseudo private attributes?

Ans;

Pseudo Private attributes are useful in larger frameworks or tools, both to avoid introducing new method names that might accidentally hide definitions elsewhere in the class tree and to reduce the chance of internal methods being replaced by names defined lower in the tree.