

**Q1. What is the meaning of multiple inheritance?**

**Solution** - Multiple inheritance means that a subclass can inherit from two or more superclasses

**Q2. What is the concept of delegation?**

**Solution** - Delegation is a design pattern in which an object, called the delegate, is responsible for performing certain tasks on behalf of another object, called the delegator.

**Q3. What is the concept of composition?**

**Solution** - Composition is a concept that models a has a relationship. It enables creating complex types by combining objects of other types. This means that a class Composite can contain an object of another class Component . This relationship means that a Composite has a Component .

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

**Solution** - A bound method is the one which is dependent on the instance of the class as the first argument. It passes the instance as the first argument which is used to access the variables and functions.

**Q5. What is the purpose of pseudoprivate attributes?**

**Solution** - Pseudoprivate attributes, also known as name mangling, are a feature in Python that allows class attributes to be "hidden" or made less accessible by modifying their names. The purpose of pseudoprivate attributes is to avoid unintentional name clashes between different classes, especially when subclassing or inheriting from a base class.

The primary purpose of pseudoprivate attributes is not to provide strict encapsulation or data hiding (as in some other programming languages), but rather to minimize accidental attribute name conflicts.