

1. What is the meaning of multiple inheritance?

Ans: Multiple inheritance is when a derived class inherits its properties from multiple superclasses.

2. What is the concept of delegation?

Ans: Delegation wraps the object of the main class into a smaller object with limited access. An instance of another class can be included as an instance variable.

3. 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. All parent class members are not inherited into child class, but only required methods from a class are used by using class instances.

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

Ans: 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.

5. What is the purpose of pseudoprivate attributes?

Ans: Pseudoprivate attributes are used 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. They also prevent subclasses from accidentally redefining the internal method's names.