Advance Assignment-5

Q1. What is the meaning of multiple inheritance?

Ans1- Multiple inheritance means a class can inherit attributes and behaviors from more than one parent class.

Q2. What is the concept of delegation?

Ans2- Delegation is a design principle where one class forwards a specific operation or request to another class, typically to reuse or extend its functionality.

Q3. What is the concept of composition?

Ans3- Composition is a design concept where a class is composed of other classes as components, rather than inheriting their behavior. It promotes code reuse and flexibility.

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

Ans4- Bound methods are methods that are associated with a specific instance of a class. They are created when you access a method on an object, and they automatically receive the instance as their first argument (usually named self).

Q5. What is the purpose of pseudoprivate attributes?

Ans5- Pseudoprivate attributes (usually with a double underscore prefix like \_\_my\_attr) are meant to indicate that an attribute is intended for internal use within a class and should not be accessed directly from outside the class. They provide a form of name mangling to make it less likely for subclasses to accidentally override them.