**Assignment\_5**

Q1. What is the meaning of multiple inheritance?

**Ans: When a class is derived from more than one base class is called multiple inheritance.**

**The derived class inheritance all the features of the base case.**

Q2. What is the concept of delegation?

**Ans: Delegation is an object oriented technique. If an object x and want to change the behavior of just one of its methods. You can create a new class that provides a new implementation of the method interested in changing and delegated all other methods to the corresponding method of x.**

Q3. What is the concept of composition?

**Ans: Composition is a concept that models a relationship. It enables creating complex types by combining objects of other types. This means that a class composition can contain an object of another class component**.

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

**Ans: A bound method is 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 variable and functions.**

Q5. What is the purpose of pseudoprivate attributes?

**Ans: One of the main problems that the pseudoprivate attribute feature is meant to alleviate has to do with the way instance attributes are stored. In Python, all instance attributes wind up in the single instance object at the bottom of the class tree. This is different from the C++ model, where each class gets its own space for data members it defines.**