Advanced assignment 1

1. It aims to implement real-world entities like inheritance, polymorphisms, encapsulation, etc. in the programming.
2. The inheritance search is simply a search of the tree from bottom to top looking for the lowest occurrence of an attribute name.
3. Class :

A class is the building block that leads to Object-Oriented Programming. It is a user-defined data type.

Object :

An object is an instance of a class. All data members and member functions of the class can be accessed with the help of objects.Instance object is also called as constructor whereas class object are normal objects of a class.

1. The object itself is passed as the first argument to the corresponding function.
2. "\_\_init\_\_" is a reseved method in python classes. It is called as a constructor in object oriented terminology.
3. An object is an instance of a class. All data members and member functions of the class can be accessed with the help of objects.
4. A class is the building block that leads to Object-Oriented Programming. It is a user-defined data type.
5. The class from which a class inherits is called the parent or superclass. A class which inherits from a superclass is called a subclass, also called heir class or child class. Superclasses are sometimes called ancestors as well