***Task 5***

***Concepts of oop report***

***Abstract classes :***

An abstract class is a template definition of methods and variables in a specific class, or category of objects. In programming, objects are units of code, and each object is made into a generic class. Abstract classes are classes that contain one or more abstracted behaviors or methods.

Don’t apply constructor

***Static :***

A static method is a method that belongs to the class itself, not to any specific instance of the class. This means that you can call a static method without creating an object of the class first.

***Encapsulation :***

Encapsulation is a way to restrict the direct access to some components of an object, so users cannot access state values for all of the variables of a particular object. Encapsulation can be used to hide both data members and data functions or methods associated with an instantiated class or object.

***Polymorphism :***

The word polymorphism is derived from Greek and means "having multiple forms." Apart from computer programming, the idea of polymorphism occurs in other real-world areas, including biology, chemistry and drug development.