Programming and Data Structures-OOPS

- 1. Object-oriented programming System(OOPs) is programming based on the concept of "objects" and "classes" that contain data and methods.
- Class: A class is a blueprint that defines the variables and the methods (Characteristics) common to all objects of a certain kind Base class (1) & derived classes(n)
- **3. Constructor**: The task of a constructor is to initialize (assign values) to the data members of the class when an object of the class is created
- 4. Attributes created in .__init__() are called instance attributes-(class,instance)
- 5. Inheritance ,Polymorphism ..etc
- **6. objects are mutable by default**: You can change the values
- 7. Modifiers:

Modifiers	Within Class	Outside Class	Subclass
Private	Yes	No	NO
Protected	Yes	NO	Yes



