

# Inheritance.

## Available vs Accessible

**Available** : If a class Derived is inheriting from Base class then everything from Base class will be available/present in Derived class.

**Accessible**: everything is available in Derived class but private members are not accessible.

**Example**: bank balance of Father is available for Son by not accessible. Son has to ask Father for money. Only Father can access his account.

## Why Private, Public and Protected ?

OOPS is a design method for programming.

Class will contain all the members together for tis working. just like a bank contains everything in a building for running their business.

Everything is not accessible for customers in the bank.

Similarly, everything is not accessible outside the class upon a object.

## Why private members are not accessible?

If you want to access then make them public.

It all depends on you to define the policy of your class.

You have options to make public or private or protected.

## Why different type of constructors?

OOPS is a design method for programming.

Design should be complete, it may be used fully or not.

If you buy a TV, it will have so many functions, but we don't use them.

Similarly, class should provide all types of methods, whether you use them or not.

## **Why mutators, when we have default constructor?**

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If you buy a TV, it will have so many functions, but we don't use them.

Similarly, class should provide all types of methods, whether you use them or not.