**Method Hiding In C# Programming**

* Method hiding occurs in inheritance relationship when base class and derived class both have a method with same name and same signature.
* When we create the object of derived class it will hide the base class method and will call its own method and this is called method hiding or **name hiding** in C# inheritance.
* We use “new” keyword in derived function name to show that implementation of the function in derived class is intentional and derived class no longer want to use base class method.

**NOTE:** If we do not use “new” keyword then compiler will raise only warning, but, program will work fine.

**Different Ways To Call A Hidden Base Class Member From Derived Class**

1. Use **base** keyword
2. Cast child type to parent type and invoke the hidden member.
3. ParentClass PC = new ChildClass();

PC.hiddenMethod();

* Parent class can have the reference of its child class.
* When we create the object of child class, parent class object is also created.