**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.