Static member in Inheritance

Static member function:

1. A class C inherits from its direct super class all concreate methods m( both static and instance ) of the superclass
2. No method declared in C has same signature

Funtion hiding:

If subclass has a method m() with the same signature as of the method present in the superclass, then method m() hides the method of subclass.

Remember:

1. It is a compile time Error, if a static method hides an instance method.
2. It is a compile time Error, if an instance method overrides a static method
3. Static member variables don’t inherite.

Note :

Static function be hiding

Instance function be overriding