**Inheritance Demo**

Purpose:

Illustrate how inheritance hierarchies are laid out in memory and the differences between instance and static members. This demo defines four classes:

1. IInheritance:  
   An interface for client access to any member of the hierarcy.
2. Base:  
   An abstract base that includes both instance and static data.
3. Derived1:  
   A concrete derived class that contains an instance variable.
4. Derived2:  
   A concrete derived class that has no instance variables.

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