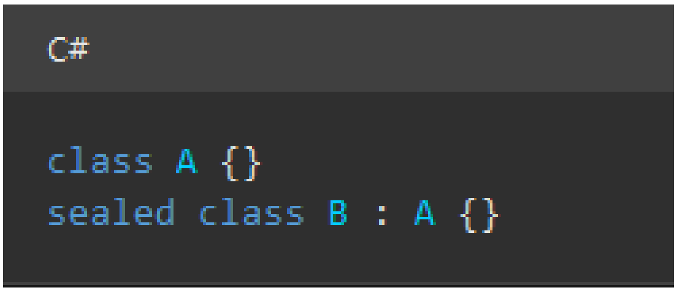
Sealed Modifier

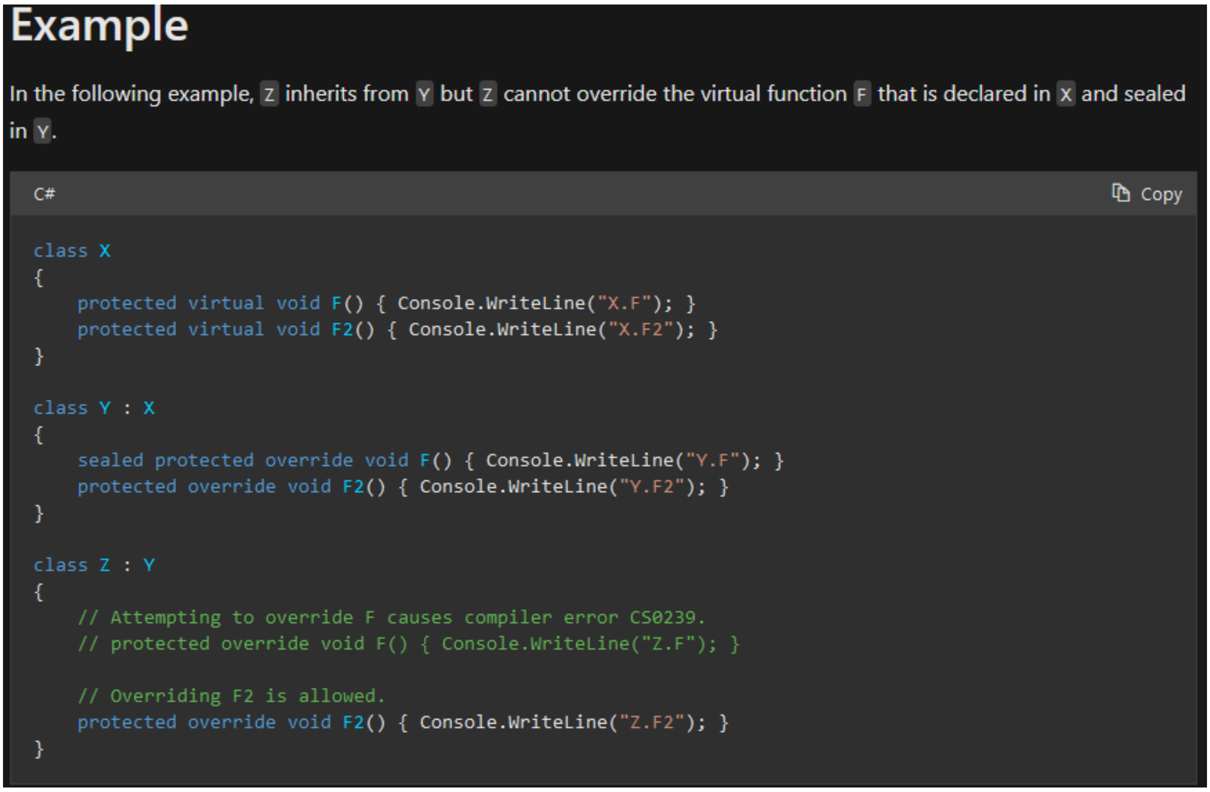
Sealed Modifier : When applied to a class, the `sealed` modifier prevents other classes from inheriting from it.



```csharp
class A {}
sealed class B : A {}
```

class `B` inherits from class `A`, but no class can inherit from class `B` .

You can also use the `sealed` modifier on a method or property that overrides a virtual method or property in a base class. This enables you to allow classes to derive from your class and prevent
them from overriding specific virtual methods or properties.



Example

In the following example, `Z` inherits from `Y` but `Z` cannot override the virtual function `F` that is declared in `X` and sealed in `Y`.

```csharp
class X
{
    protected virtual void F() { Console.WriteLine("X.F"); }
    protected virtual void F2() { Console.WriteLine("X.F2"); }
}

class Y : X
{
    sealed protected override void F() { Console.WriteLine("Y.F"); }
    protected override void F2() { Console.WriteLine("Y.F2"); }
}

class Z : Y
{
    // Attempting to override F causes compiler error CS0239.
    // protected override void F() { Console.WriteLine("Z.F"); }

    // Overriding F2 is allowed.
    protected override void F2() { Console.WriteLine("Z.F2"); }
}
```