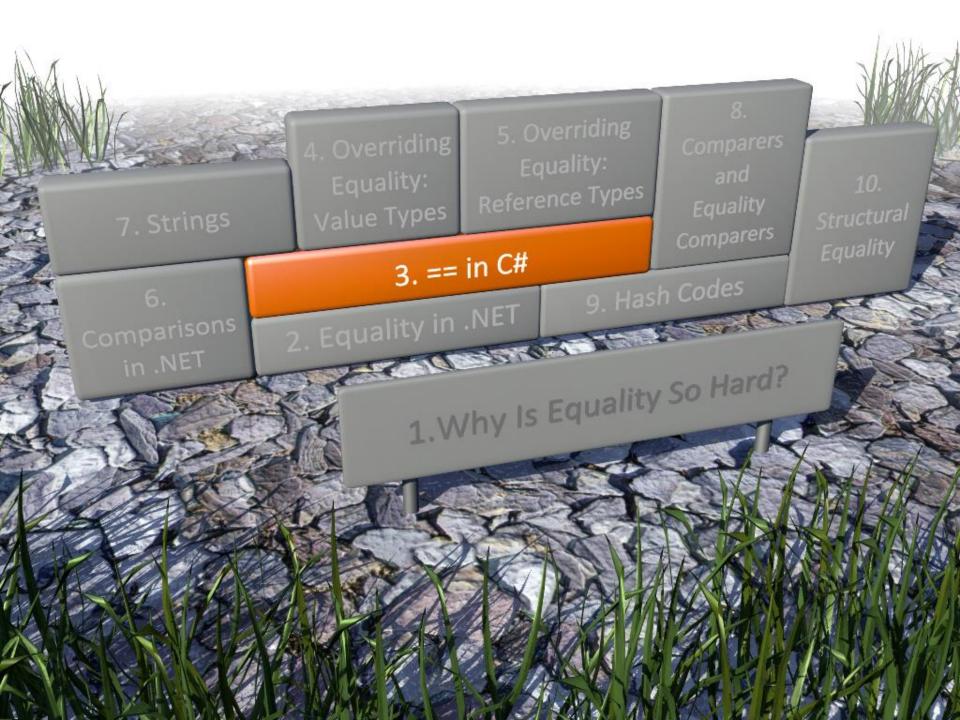
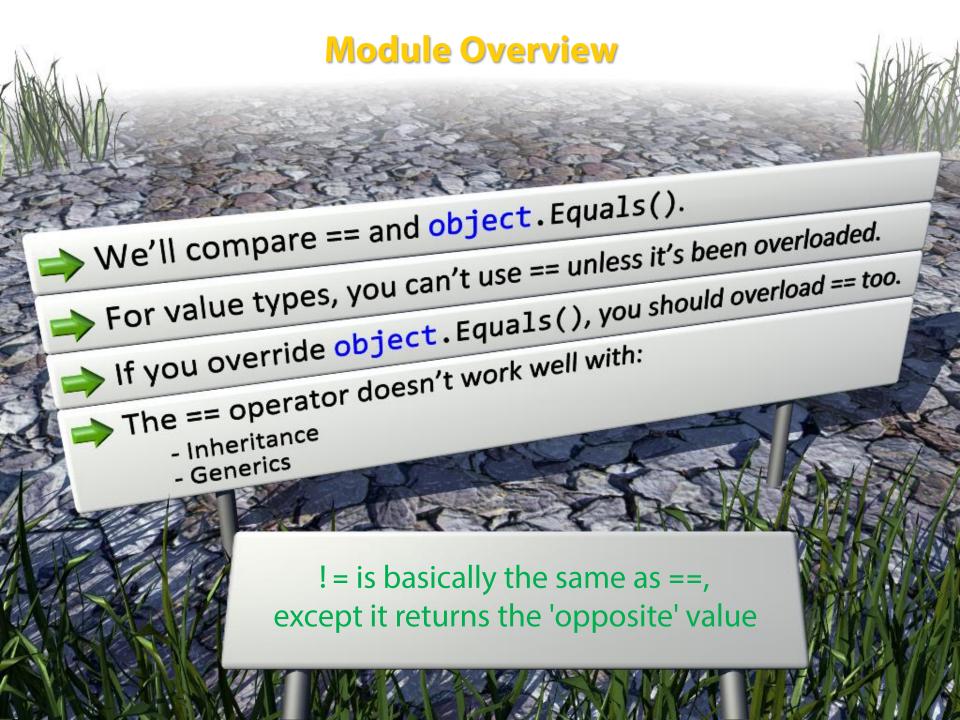
# The C# Equality Operator

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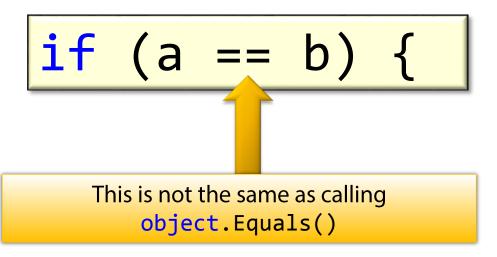








### The C# == Operator



(But it often happens to give the same results)



#### **Code Demo**

## Do Not Place Anything in This Space

(Add watermark during editing)

Note: Warning will not appear during Slide Show view.

#### **Code Demo**

## Do Not Place Anything in This Space

(Add watermark during editing)

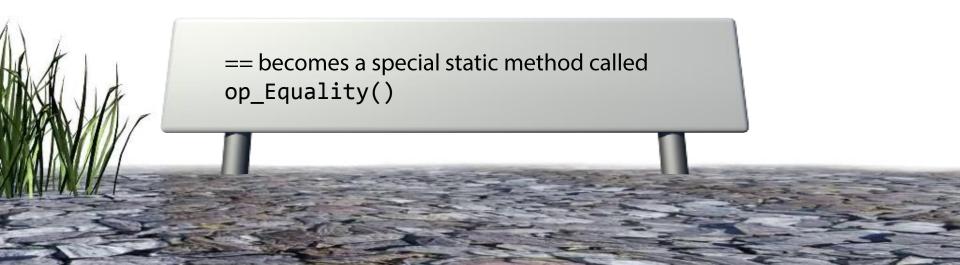
Note: Warning will not appear during Slide Show view.

#### To Overload == ...

```
class MyType
{
   public static bool operator == (MyType lhs, MyType rhs)
   {
     // etc.
   }
}
```

To overload ==

Declare a 'static method' with the name operator ==



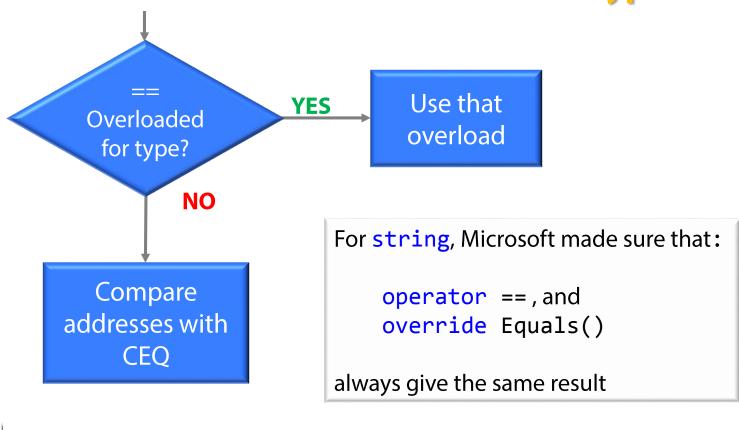
#### **Code Demo**

## Do Not Place Anything in This Space

(Add watermark during editing)

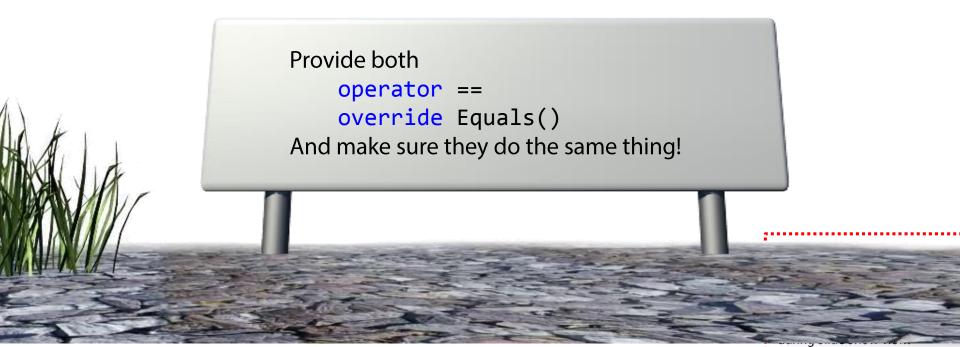
Note: Warning will not appear during Slide Show view.





### **Important Principle...**

If you are changing how equality works for a type....



### **Comparing == and Object.Equals()**



object.Equals()

**Primitive Types** 

**Compare Values** 

Reference Types (by default)

**Compare References** 

Value Types (by default)

Not Available

Compares
Values (but slow)

Can overload ==
and
override Equals()

(Use static Equals() if first object is null)

