

# System.Comparison<-T> Delegate

```
[ILAsm]
.class public sealed serializable System.Comparison`1<-T> extends
System.MulticastDelegate

[C#]
public delegate int Comparison<in T>(T x, T y);
```

## Assembly Info:

- *Name:* mscorlib
- *Public Key:* [00 00 00 00 00 00 00 00 04 00 00 00 00 00 00 00]
- *Version:* 4.0.0.0
- *Attributes:*
  - CLSCompliantAttribute(true)

## Summary

Represents the method that compares two objects of the same type.

## Parameters

Parameter	Description
<i>x</i>	The first object to compare.
<i>y</i>	The second object to compare.

## Inherits From: System.Delegate

**Library:** BCL

## Returns

A signed integer that indicates the relative values of *x* and *y*, as shown in the following table.

Value	Meaning
Less than 0	<i>x</i> is less than <i>y</i> .
0	<i>x</i> equals <i>y</i> .

Greater than 0	x is greater than y.
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## 2 **Description**

3 This delegate is used by the `System.Array.Sort`1` method overload of the  
 4 `System.Array` class and the `System.Collections.Generic.List`1<T>.Sort` method  
 5 overload of the `System.Collections.Generic.List`1<T>` class to sort the elements of  
 6 an array or list.

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