

# 1 System.Comparison<-T> Delegate

```
2 [ILAsm]  
3 .class public sealed serializable System.Comparison`1<-T> extends  
4 System.MulticastDelegate  
  
5 [C#]  
6 public delegate int Comparison<in T>(T x, T y);
```

## 7 Assembly Info:

- 8 • *Name:* mscorlib
- 9 • *Public Key:* [00 00 00 00 00 00 00 00 04 00 00 00 00 00 00 00]
- 10 • *Version:* 4.0.0.0
- 11 • *Attributes:*
  - 12 ○ CLSCompliantAttribute(true)

## 13 Summary

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

## 15 Parameters

Parameter	Description
x	The first object to compare.
y	The second object to compare.

## 16 Inherits From: System.Delegate

18  
19 **Library:** BCL

## 20 Returns

21  
22  
23 A signed integer that indicates the relative values of x and y, as shown in the following  
24 table.

Value	Meaning
Less than 0	x is less than y.
0	x equals y.

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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