

## LinksPlatform's Platform.Comparers Class Library

### ./Comparer.cs

```
1 using System;
2 using System.Collections;
3
4 namespace Platform.Comparers
5 {
6     public class Comparer : IComparer
7     {
8         private readonly Func<object, object, int> _compare;
9
10        public Comparer(IComparer comparer)
11            : this(comparer.Compare)
12        {
13        }
14
15        public Comparer(Func<object, object, int> compare) => _compare = compare;
16
17        public int Compare(object x, object y) => _compare(x, y);
18
19        public static implicit operator Comparer(Func<object, object, int> compare) => new
20            ↪ Comparer(compare);
21
22        public static implicit operator Func<object, object, int>(Comparer comparer) =>
23            ↪ comparer._compare;
24    }
25 }
```

### ./Comparer[T].cs

```
1 using System;
2 using System.Collections.Generic;
3
4 namespace Platform.Comparers
5 {
6     public class Comparer<T> : IComparer<T>
7     {
8         private readonly Func<T, T, int> _compare;
9
10        public Comparer(IComparer<T> comparer)
11            : this(comparer.Compare)
12        {
13        }
14
15        public Comparer(Func<T, T, int> compare) => _compare = compare;
16
17        public int Compare(T x, T y) => _compare(x, y);
18
19        public static implicit operator Comparer<T>(Func<T, T, int> compare) => new
20            ↪ Comparer<T>(compare);
21
22        public static implicit operator Func<T, T, int>(Comparer<T> comparer) =>
23            ↪ comparer._compare;
24    }
25 }
```

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