C#

IComparable

What
› The System.IComparable interface has a method called "CompareTo", which determines order of two objects i.e. current object and parameter object.

› It can be implemented in the class to make the objects sortable.

› It is useful to invoke **List.Sort** method to sort the collection of objects.

interface System.IComparable
public interface IComparable **{**   **int CompareTo(object obj);** **}**

Return value
› 0 : "this" object and parameter object occur in the same position (unchanged).

› <0 : "this" object comes first; parameter object comes next.

› >0 : parameter object comes first; "this" object comes next.

Implementation of IComparable interface

```
public class ClassName : IComparable
{
    public int CompareTo(object obj)
    {
        if (this.field1 == other.field1)
            return 0;  //equal
        else if (this.field1 < other.field1)
            return -1;  //"this" object comes first.
        else
            return 1; //parameter object comes first.
    }
}
```