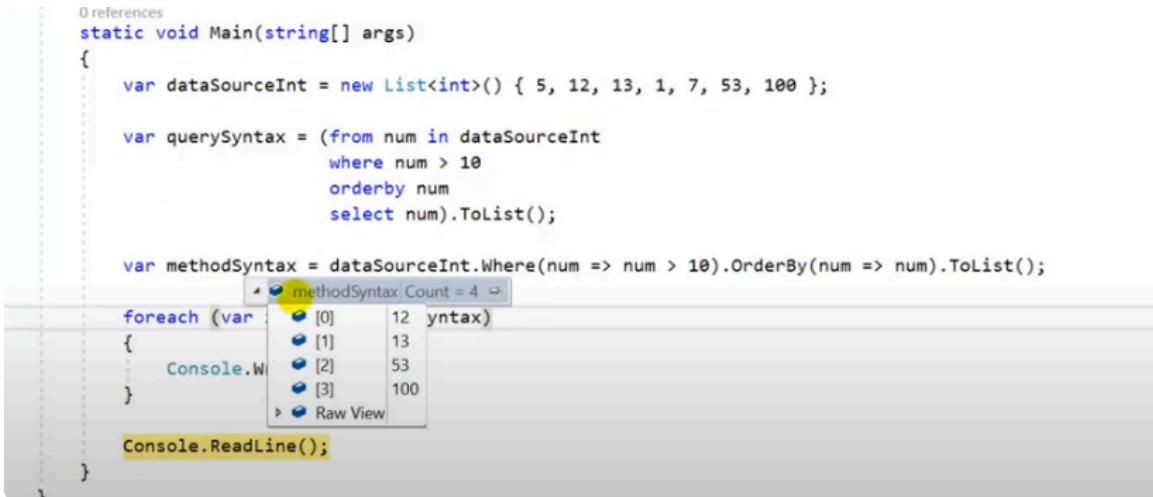


OrderBy

Only in ascending order

OrderBy

- ✓ OrderBy method is used to sort data in ascending order.
- ✓ We can apply OrderBy method on any data type.



```
0 references
static void Main(string[] args)
{
    var dataSourceInt = new List<int>() { 5, 12, 13, 1, 7, 53, 100 };

    var querySyntax = (from num in dataSourceInt
                       where num > 10
                       orderby num
                       select num).ToList();

    var methodSyntax = dataSourceInt.Where(num => num > 10).OrderBy(num => num).ToList();

    foreach (var item in methodSyntax)
    {
        Console.WriteLine(item);
    }

    Console.ReadLine();
}
```

The screenshot shows a Visual Studio IDE with a C# program. The code defines a list of integers, filters them to those greater than 10, and sorts them in ascending order using the `OrderBy` method. The output in the console is:

Index	Value
[0]	12
[1]	13
[2]	53
[3]	100

Example in string

```

        "Anderson",
        "Wright",
        "Mitchell",
        "Thomas",
        "Allen",
        "Evans",
        "Collins" };

var querySyntax = (from name in dataSourceString
                    where name.Length > 6
                    orderby name
                    select name).ToList();

var methodSyntax = dataSourceString.OrderBy(name => name).ToList();

foreach (var item in methodSyntax)
{
    Console.WriteLine(item);
}

Console.ReadLine();

```

Example in object

```

{
    var dataSource = new List<Employee>()
    {
        new Employee(){
            Id = 3,
            Email = "Smith@email.com",
            Name = "Smith"
        },
        new Employee(){
            Id = 2,
            Email = "Thomas@email.com",
            Name = "Thomas"
        },
        new Employee(){
            Id = 1,
            Email = "Allen@email.com",
            Name = "Allen"
        },
        new Employee(){
            Id = 4,
            Email = "Anderson@email.com",
            Name = "Anderson"
        }
    }
};

```

```

var querySyntax = (from emp in dataSource
                    where emp.Id > 2
                    orderby emp.Name
                    select emp).ToList();

var methodSyntax = dataSource.Where(emp => emp.Id > 2).OrderBy(emp => emp.Name).ToList();

```

