

Remove Duplicates From List Collection

A couple of examples of removing duplicate entries in list collections in C#:

Implemented As a Method

[remove-dups-method.cs](#)

```
using System;
using System.Collections.Generic;
using System.Collections.ObjectModel;
using System.Linq;

namespace Console1
{
    class Program
    {
        static IEnumerable<T> RemoveDuplicates<T>(List<T> inputList)
        {
            inputList.Sort();

            return inputList.Distinct();
        }

        static void Main(string[] args)
        {
            var myList = new List<string> {
                "John",
                "Andrew",
                "James",
                "Jack",
                "Andrew",
                "Bob",
                "Jack"
            };

            var newList = RemoveDuplicates(myList);

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

Implemented As An Extension

[remove-dups-extension.cs](#)

```
using System;
using System.Collections.Generic;
using System.Collections.ObjectModel;
using System.Linq;

namespace Console1
{
    public static class ListExtension
    {
        public static IEnumerable<T> RemoveDuplicates<T>(this List<T>
inputList)
        {
            inputList.Sort();

            return inputList.Distinct();
        }
    }

    class Program
    {
        static void Main(string[] args)
        {
            var myList = new List<string> {
                "John",
                "Andrew",
                "James",
                "Jack",
                "Andrew",
                "Bob",
                "Jack"
            };

            var newList = myList.RemoveDuplicates();

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

[dotnet](#)

From:
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Last update: **2025/06/08 07:21**

