Sorting algorithms are classified by:

* Computational complexity in terms of the size of the list (n).
* Memory usage
* Recursion
* Stability
* General method: insertion, exchange, selection, merging, etc.

We will discuss most popular algorithms and its implementations in C#.

Simple Sorts:

* Selection Sort program in C# ([Solution](http://www.csharpstar.com/c-program-to-perform-selection-sort/))
* Insertion Sort program in C# ([Solution](http://www.csharpstar.com/csharp-program-to-perform-insertion-sort/))

Efficient Sorts:

* Heap Sort program in C# ([Solution](http://www.csharpstar.com/heap-sort-csharp-program/))
* Merge Sort program in C# ([Solution](http://www.csharpstar.com/merge-sort-csharp-program/))
* Quick Sort program in C# ([Solution](http://www.csharpstar.com/csharp-program-quick-sort/))

Bubble Sorts and Variant:

* Bubble Sort program  in C# ([Solution](http://www.csharpstar.com/csharp-program-to-perform-bubble-sort/))
* Shell Sort program in C# ([Solution](http://www.csharpstar.com/shell-sort-csharp-program/))
* Comb Sort program in C# ([Solution](http://www.csharpstar.com/comb-sort-program-csharp/))

Distribution Sorts:

* Bucket Sort program in C# ([Solution](http://www.csharpstar.com/csharp-program-to-perform-bucket-sort/))
* Radix Sort program in C# ([Solution](http://www.csharpstar.com/csharp-program-radix-sort/))