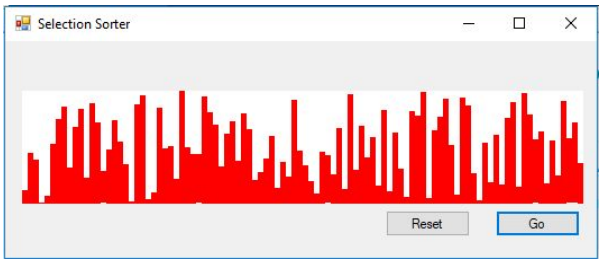
C# Visual Sort

In this activity, you will complete a project which will sort an array of 100 numbers in ascending order.

Estimated time: 30 minutes



Before starting

You should have an understanding of what an array is an how to use the [ ] operators (the square brackets). You should also know how to write for-loops.

Selection Sort

Selection sort is an easy to understand sorting algorithm. Let's say you have *n* numbers in random order.

Loop over all the array indexes from 0 to n-1. If the one you're looking at is greater than the one at position n-1, switch them. At the end of the loop, the largest value will be in the last slot.

Now repeat the process but pretend your array is one element shorter. At the end of that round of sorting, the second biggest element will be in the next to last slot.

Repeat the sorts, until you're pretending your array has only 1 element.

Getting started

- Copy the project VisualSort from the T:\C#\Visual Sort folder to your C# projects folder on X:
- Open the task list (Found on the View menu).
- Complete the code at the locations indicated
- Test your project by running it in the debugger. If you've done it right, the data will sort itself until it finally looks like this...