Sorting Algorithms

# Bubble Sort

Bubble Sort is the simplest algorithm.  
It works by comparing the current value to the next and swapping them if they are in the wrong order.

For example; when sorting from lowest to highest, index[i] is compared to index[i+1] and if index[i] is higher than index[i+1] those two are swapped.  
This is repeated until the algorithm passes through the list without swapping a set of numbers.