**SORTING**

Sorting is any process of arranging items according to a certain sequence or in different sets and therefore, it has two common, yet distinct meanings:

**Ordering**: arranging items of the same kind, class or nature, in some ordered sequence.

**Categorizing**: grouping and labelling items with similar properties together

Different types of sort algorithms

* Bubble Sort
* Selection Sort
* Merge Sort
* Quick Sort
* Insertion Sort
* Shell Sort
* Heap Sort
* Quick3 Sort

Collections.sort in Java uses modified Merge sort.

**BUBBLE SORT**

Compares each pair of adjacent items and swaps them if they are in the wrong order.

The algorithm, which is a comparison sort, is named for the way smaller elements "bubble" to the top of the list.

**SELECTION SORT**

Find the smallest element using a linear scan and move it to the front.

Then, find the second smallest and move it, again doing a linear scan.

Continue doing this until all the elements are in place.