Data Structures and Algorithm
Chapter - 8.3

Bubble Sort Algorithms

Rakin Mohammad Sifullah
Computer Science & Engineer

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What is Selection Sort Algorithm?

Bubble Sort is a simple algorithm used to sort a given set of elements in the form of an array. Bubble Sort compares all the elements one by one and sorts them based on their values.

This sorting algorithm is a comparison-based algorithm in which each pair of adjacent elements is compared and the elements are swapped if they are not in order.

This algorithm is not suitable for large data sets as its average and worst-case complexity is $O(n^2)$ where n is the number of items.

Example

5	1	6	2	4	3

5	1	6	2	4	3

1	5	6	2	4	3

1	5	2	6	4	3

1	5	2	4	6	3

1	5	2	4	3	6