

The algorithm is implementing insertion sorting technique. It is a very simple algorithm that makes use of two for loops.

In this algorithm, the numbers to be sorted are logically split into two parts sorted and unsorted parts. With each iteration, a value from the unsorted part is picked and inserted in the position where it leaves the sorted part as sorted. It resembles sorting of playing cards, where numbers from unsorted side are picked one by one and inserted in s proper position in sorted side.

As the algorithm makes use of two for loops the complexity of the algorithm is $O(n^2)$, which is very high.