INSERTION SORT ADVANTAGES

- Simple implementation: around 3-5 lines of code.
- Efficient on smaller data sets.
- Faster time complexity than other simple methods.
- It is stable and in place.
- It is online: meaning it can sort a list as it receives it.
- Adaptive, (ie) efficient for substantially sorted datasets: the time complexity O(nk) when each element in the input is no more than k places away from its sorted position.

INSERTION SORT ALGORITHM

- // Sort an arr[] of size n
- insertionSort(arr, n)
- Loop from i = 1 to n-1.
- .....a) Pick element arr[i] and insert it into sorted sequence arr[0...i-1]