

❖ **Simple Sorting Algorithms:**

1. Bubble Sort.

$$n^2$$

2. Selection Sort.

$$n^2$$

3. Insertion Sort.

$$n^2$$

❖ **Efficient Sorting Algorithms:**

1. Merge Sort.

$$n \log n$$

2. Quick Sort.

$$N^2$$

❖ **Other Sorting Algorithms:**

1. Heap Sort.

$$n \log n$$

2. Counting Sort.

$$n$$

3. Radix Sort.

$$nd$$

4. Bucket Sort.

$$n$$