***TYPES OF SORTING :***

1. Bubble Sort – Time(H) , space(H)
2. Insertion Sort
3. Selection Sort
4. Quick Sort
5. Merge Sort
6. Heap Sort
7. Radix Sort

***PARAMETERS FOR CHOOSING SORTING:***

1. Time Required – Based On Number of Comparisons
2. Space occupied by the program – Based On Number of data allocated per each Loop

***Complexity Analysis of sorting:***

1. Worst case time complexity : O(n^2)
2. Best case time complexity : O(n)
3. Average time complexity : O(n^2)
4. Space complexity : O(1)