**Sorting:**

1. Linear search

In linear search if there are ‘**n’** number of elements then number of comparisons required is.

1. Binary search

In binary search if there are ‘**n’** number of elements then number of comparisons required is equ.al to ‘**n’**

**Sorting algorithms:**

1. Bubble sort
2. Selection sort
3. Insertion sort
4. Merge sort
5. Quick sort
6. Heap sort
7. Count sort
8. Radix sort

**Classification parameters:**

1. Time complexity
2. space complexity
3. Stability
4. Internal or external sort
5. Recursive and non-recursive