

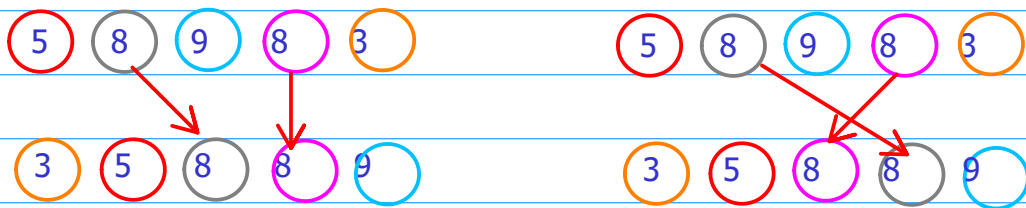
Stable sorting :

The stability of a sorting algorithm is concerned with how the algorithm treats equal (or repeated) elements.

Stable sorting algorithms preserve the relative order of equal elements, while unstable sorting algorithms don't

Stable sorting maintains the position of two equals elements relative to be another.

Stable Sort :



If you have any duplicate values in array after sorting the position is not promised by the sorting technique.(unstable sorting)

External Sorting :

It is a technique in which data is stored on the secondary memory in which part by part data is loaded into main memory and then sorting can be done over there.