

SORTING AND SEARCHING – 20 QUESTIONS GAME - 03

Look at this array with thirty elements, can you spot the number eleven here? Ah looks very difficult, you should look through every single element from the beginning till the end but what if this array was sorted, by sorted I mean what if this was in ascending order of the numbers, don't you think it would have been very easy for you to search for the number eleven. This is the sorted version of the array, the list; do you see eleven right now? What did you just now do? You used binary search to find eleven, so the moral of the story is if you want to find for an element search for an element in a list, it is easier for you if the list is sorted. You see this is in general true with your life, you will find what you want, if you keep your life organised, if your list is organised in some ascending order if it is in ascending order searching for an element becomes very easy, you see so we have been teaching you how to keep, how to how to search for an element if the list is sorted but we didn't teach you how to sort a list, let us now see how can one sort a list.