Searching techniques

Searching is checking given elmen is existing in set of data or not if it is existing then search will be successful otherwise search will be failuer commenly used searching techniques are

① Linear search or (Sequential search)
② Binary search

Binary Search

To conduct a binary search given array elments must be sorted in some order. Ascending order or in Desiending order Ascending array elments assuming,

To conduct a binary search give array will be derived into two halfs by calculating the position of the mid element. i.e Mid = (lb+ub)/2 (lb: lower bond when is initial zero). Sub stands for upper bound which will be (n-1)th element) then compare the given key value with Mid element such that if the key value is less than a of Mid then continue the search in th first half of the array by changing ub = mid-1. If the key value is greath