* Search. :- Searching algorithm i one of the important concept for the programmers.
i one of the important concept
for the programmers,
i) Linear Search.
Della market de la company
arr = [5,3,2,1,7,9,8]
we we loop to keep searching
we use loop to keep searching each element and the moment
we get the barget element
we get the barget element.
O(n) worst case (rend of the arr).
O(n) average case (auguhere) O(t) Best case. (1st itself).
OCE) Best case. Pest itself).
Binary Search: Binary search only works when the input array is sorted. It was introduce to improve the time complexity of linear search algorithm.
only works when the luput
arrag is sorted. It was introduce
to improve the time complexity
of linear search algorithm

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In binary search we get the middle Index first. Then check if middle value in > or & the farget. If if in greater the we ignore the Ceft part by the array is sorted. And then in right half we again or find the middle element.

of binary search.

Best case O(1) Worst case O(Logn).