



## Sorted Array Search

Difficulty: **Basic**Accuracy: **48.03%**Submissions: **312K+**Points: **1**

Given an array, **arr[]** sorted in ascending order and an integer **k**. Return true if k is present in the arr otherwise, false.



### Examples:

**Input:** arr[] = [1, 2, 3, 4, 6], k = 6**Output:** true**Explanation:** Since, 6 is present in the array at index 4 (0-based indexing), output is true.**Input:** arr[] = [1, 2, 4, 5, 6], k = 3**Output:** false**Explanation:** Since, 3 is not present in the array, output is false.**Input:** arr[] = [2, 3, 5, 6], k = 1**Output:** false

### Constraints:

 $1 \leq \text{arr.size()} \leq 10^6$  $1 \leq k \leq 10^6$  $1 \leq \text{arr}[i] \leq 10^6$ [Try more examples](#)

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C++ (g++ 5.4)▼

Average Time: 20m

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```
1  // } Driver Code Ends
7 class Solution {
8     public:
9         // Function to find element in sorted array
10        // arr: input array
11        // k: element to be searched
12        bool searchInSorted(vector<int>& arr, int k) {
13
14            // Your code here
15            int n=arr.size();
16            for(int i=0;i<n;i++){
17                if(arr[i]==k){
18                    return true;
19                }
20            }
21            return false;
22        }
23
24    };
25  // } Driver Code Ends
```

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