

Description Solution Discuss (999+) Submissions

### Example 2:

Input: nums = [1,3,5,6], target = 2

Output: 1

### Example 3:

Input: nums = [1,3,5,6], target = 7

Output: 4

### Constraints:

- 1 ≤ nums.length ≤ 10<sup>4</sup>
- 10<sup>4</sup> ≤ nums[i] ≤ 10<sup>4</sup>
- nums contains **distinct** values sorted in **ascending** order.
- 10<sup>4</sup> ≤ target ≤ 10<sup>4</sup>

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```

1 class Solution {
2     public int searchInsert(int[] nums, int target) {
3         int left=0,right=nums.length-1,mid;
4
5         if(nums[right]<target)
6             return right+1;
7         else if(nums[left]>target)
8             return 0;
9
10        while(left<=right){
11            mid=(left+right)/2;
12
13            if(nums[mid]==target)
14                return mid;
15            else if(nums[mid]>target && nums[mid-1]<target)
16                return mid;
17            else if(nums[mid]<target && nums[mid+1]>target)
18                return mid+1;
19            else if(nums[mid]<target)
20                left=mid+1;
21            else
22                right=mid-1;
23        }
24
25        return -1;
26    }
27 }
```