

# 0035 - Search Insert Position



Index

Index

LeetCode

## Example 1:

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

**Output:** 2

## Example 2:

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

**Output:** 1

## Example 3:

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

**Output:** 4



Binary Search

Index + 1

```
class Solution {
    public int searchInsert(int[] nums, int target) {
        // Binary search
        int left = 0;
        int right = nums.length - 1;
        int mid = 0;
```

```

while(left <= right){
    mid = (left + right) / 2;
    if(nums[mid] > target){
        // mid > target
        right = mid - 1;
    } else if (nums[mid] < target){
        // mid < target
        left = mid + 1;
    } else {
        return mid;
    }
}

```

```

// 
// 
// 
if(nums[mid] < target){
    return mid + 1;
} else {
    return mid;
}
}
}

```

Revision #1

Created 9 July 2024 03:28:04 by Nesquate

Updated 9 July 2024 03:31:36 by Nesquate