

## BINARY SEARCH

```
class Solution {  
    public int search(int[] nums, int target) {  
        int left = 0;  
        int right = nums.length - 1;  
  
        while (left <= right) {  
            int mid = (left + right) / 2;  
  
            if (nums[mid] == target) {  
                return mid;  
            }  
            else if (nums[mid] < target) {  
                left = mid + 1;  
            }  
            else {  
                right = mid - 1;  
            }  
        }  
  
        return -1;  
    }  
}
```