#15 Days of Coding Challenge
#Day 6

Search insert position
#Leetcode 35

Solution:

```
class Solution {
public:
    int searchInsert(vector<int>& nums, int target) {
        int low=0;
        int high=nums.size();
        int mid;
        if(target>nums[high-1]){
            return high;
        }
        while(low<=high){
              mid=(low+high)/2;
            if(nums[mid]==target){
                return mid;
            }

            if(target<nums[mid]){
            high=mid-1;
            }else{
            low=mid+1;
            }

        }
         return  low;
    }
};
```

Time Complexity: O(log n)
Space Complexity: O(1)