

LEETCODE - 35 Search Insert Position.

```
int searchInsert(vector<int> & nums, int target) {  
    int st = 0, end = nums.size() - 1;  
  
    while (st <= end) {  
        int mid = st + (end - st) / 2;  
        if (nums[mid] == target) {  
            return mid;  
        }  
        if (nums[mid] < target) {  
            st = mid + 1;  
        } else {  
            end = mid - 1;  
        }  
    }  
    return st;  
}
```