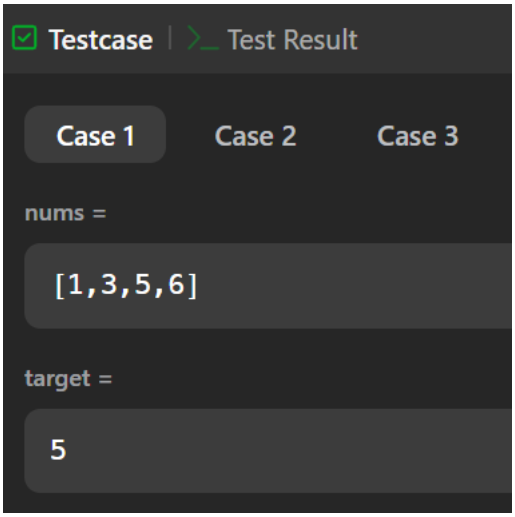
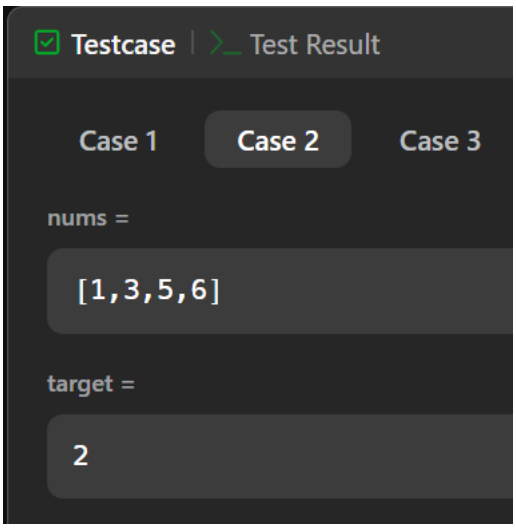
3. Search insert position (LeetCode)

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

OUTPUT:




Testcase
Test Result
Case 1
Case 2
Case 3
nums =
[1,3,5,6]
target =
2


Testcase
Test Result
Case 1
Case 2
Case 3
nums =
[1,3,5,6]
target =
7