



Experiment No. - 1

Student Name: Vivek Kumar Branch: BE-CSE(LEET)

Semester: 6th

Subject Name: Competitive coding - II

UID: 21BCS8129

Section/Group:20BCS-ST-801/B Date of Performance: 14/02/2023

Subject Code: 20CSP-351

1. Aim/Overview of the practical:

Q1. Jump Game II

https://leetcode.com/problems/jump-game-ii/

2. Apparatus / Simulator Used:

- 1. Windows 7 or above
- 2. Google Chrome

3. Objective:

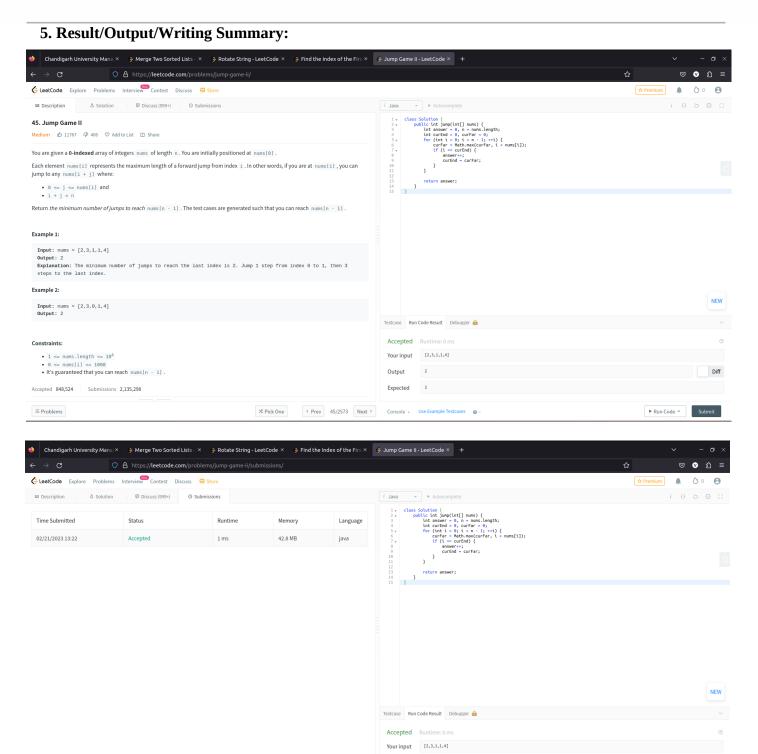
- a. To understand the concept of Array and Jump Concept
- b. To implement the concept of Array Implementation.

4. Code:

```
class Solution {
    public int jump(int[] nums) {
        int answer = 0, n = nums.length;
        int curEnd = 0, curFar = 0;
        for (int i = 0; i < n - 1; ++i) {
            curFar = Math.max(curFar, i + nums[i]);
            if (i == curEnd) {
                 answer++;
                 curEnd = curFar;
            }
        }
        return answer;
    }
}</pre>
```







Output

Console . Use Example Testcases

< Prev 45/2573 Next >

≡ Problems

▶ Run Code ^





1. Aim/Overview of the practical:

Q2. Merge Two Sorted List

https://leetcode.com/problems/remove-duplicates-from-sorted-list-ii/

2. Apparatus / Simulator Used:

- 1. Windows 7 or above
- 2. Google Chrome

3. Objective:

- To understand the concept of List and Node
- To implement the concept of Remove duplicates from the list

4. Code:

```
class Solution {
    public ListNode deleteDuplicates(ListNode head) {
        ListNode sentinel = new ListNode(0, head);
        ListNode pred = sentinel;
        while (head != null) {
            if (head.next != null && head.val == head.next.val) {
                while (head.next != null && head.val == head.next.val) {
                    head = head.next;
                pred.next = head.next;
            } else {
                pred = pred.next;
            }
            head = head.next;
        return sentinel.next;
    }
}
```

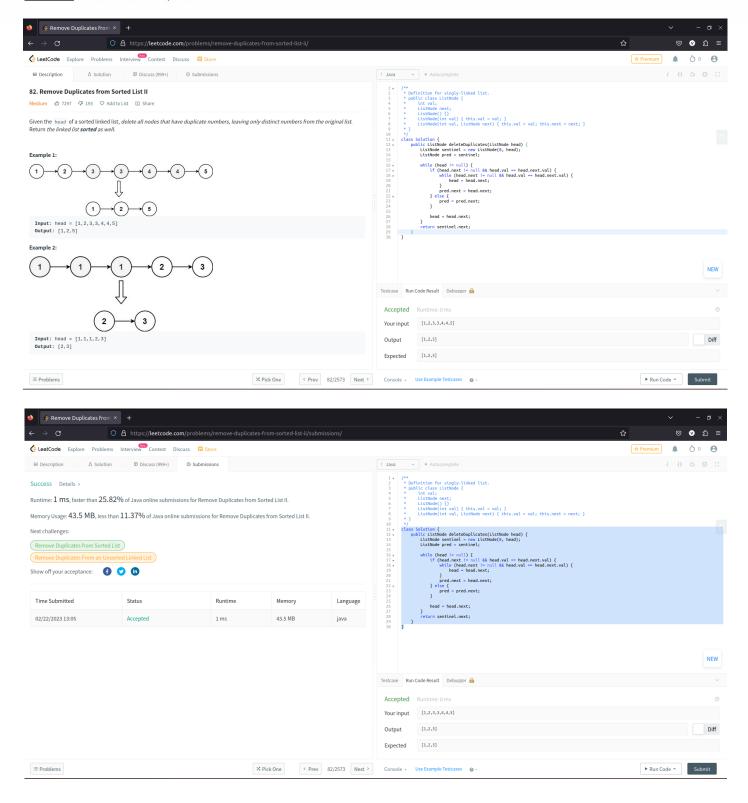




5. Result/Output/Writing Summary:







Learning outcomes (What I have learnt):

- Learned the concept of LinkedList.
- Learnt about Removing Duplicates from the List.





Evaluation Grid (To be created per the faculty's SOP and Assessment guidelines):

			
Sr. No.	Parameters	Marks Obtained	Maximum Marks
1.	Worksheet completion including writing learning objectives/Outcomes. (To be submitted at the end of the day).		
2.	Post-Lab Quiz Result.		
3.	Student Engagement in Simulation/Demonstration/Performance and Controls/Pre-Lab Questions.		
	Signature of Faculty (with Date):	Total Marks Obtained:	