## **Experiment 1**

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Semester:6<sup>TH</sup> Date of Performance:17/01/25

Subject Name: AP LAB 2 Subject Code:22CSP-351

1. Aim: Arrays And Logic Building

a. Two Sum

b. Jump Game

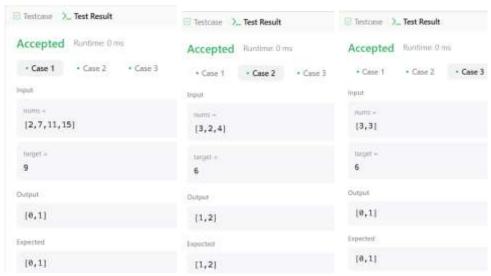
## 2. Code:

```
a. class Solution {
    public int[] twoSum(int[] nums, int target) {
       int n = nums.length;
       for (int i = 0; i < n - 1; i++) {
         for (int j = i + 1; j < n; j++) {
            if (nums[i] + nums[j] == target) {
               return new int[]{i, j};
            }
          }
       return new int[]{}; // No solution found
b. class Solution {
public boolean canJump(int[] nums) {
   int goal = nums.length - 1;
   for (int i = nums.length - 2; i \ge 0; i--) {
      if (i + nums[i] >= goal) {
        goal = i;
      }
   }
```

```
return goal == 0;
}
```

## 3. Output:

a.



b.

