**Day – 52 of #101 days of coding challenge--------**

**Problem:-** Given a list of integers, count and return the number of times each value appears as an array of integers.

Code:-

vector<int> countingSort(vector<int> arr) {

    vector<int> ans;

    for (int i=0; i<100; i++) {

    ans.push\_back(0);      //initializes array to 0 elements

 }

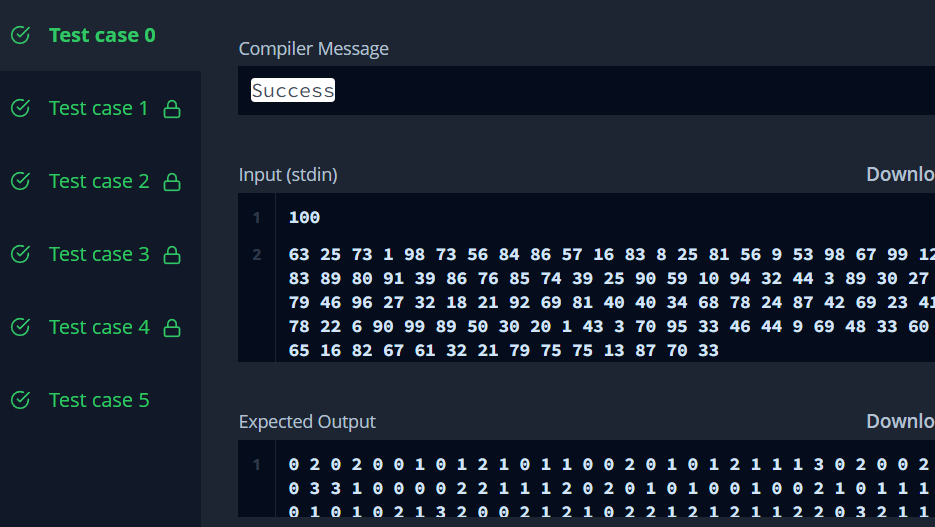
for(int item : arr) {

    ans[item]++;

}

return ans;

}

**Output:- **