**Day-34 of 101 days Coding challenge**

**Problem:**

Given an array of integers arr, return true *if the number of occurrences of each value in the array is****unique****or*false*otherwise*.

**Example 1:**

**Input:** arr = [1,2,2,1,1,3]

**Output:** true

**Explanation:** The value 1 has 3 occurrences, 2 has 2 and 3 has 1. No two values have the same number of occurrences.

**Example 2:**

**Input:** arr = [1,2]

**Output:** false

**Example 3:**

**Input:** arr = [-3,0,1,-3,1,1,1,-3,10,0]

**Output:** true

**Code:**

 bool uniqueOccurrences(vector<int>& arr) {

        vector<int> ans;

       sort(arr.begin(), arr.end());

        for(int i = 0; i<arr.size(); ){

            int count = 1;

            for(int j = i+1; j<arr.size(); j++){

                if(arr[i] == arr[j]){

                    count++;

                }

            }

            ans.push\_back(count);

            i+=count;

        }

       sort(ans.begin(), ans.end());

       for(int i = 0; i<ans.size()-1; i++){

           if(ans[i] == ans[i+1]){

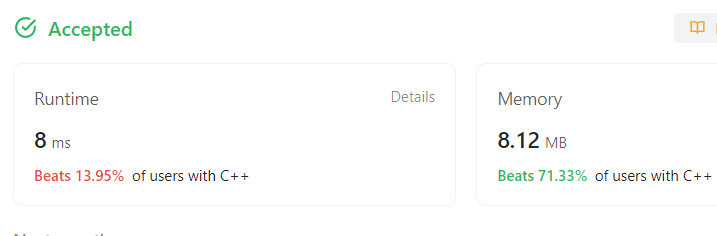
               return false;

           }

       }

        return true;

    }

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