**Sum of non-repeated elements**

[array](http://www.practice.geeksforgeeks.org/tag-page.php?tag=array&isCmp=0)[oxigen\_wallet](http://www.practice.geeksforgeeks.org/tag-page.php?tag=oxigen_wallet&isCmp=1)

Find the sum of all non- repeated elements in an array.

**Input:**

The first line of input contains an integer T denoting the number of test cases.  
The first line of each test case is N, N is the size of array.  
The second line of each test case contains N input C[i].  
  
**Output:**

Print the sum of all non-repeated elements.

**Constraints:**

1 ≤ T ≤ 100  
1 ≤ N ≤ 500  
1 ≤ C[i] ≤ 1000  
  
**Example:**

**Input:**  
3  
5  
1 2 3 4 5  
5  
5 5 5 5 5  
4  
22 33 22 33

**Output:**  
15  
5  
55

\*\*For More Examples Use Expected Output\*\*

<http://www.practice.geeksforgeeks.org/problem-page.php?pid=530>

#include<iostream>

#include<stdio.h>

#include <vector>

#include <set>

using namespace std;

int main(){

 int t;

 scanf("%d",&t);

 while(t--){

     int n;

     scanf("%d", &n);

     int C[n];

     for(int i =0; i < n; i++) {

         scanf("%d", &C[i]);

        }

     std::set<int> set;

     for(int i =0; i < n; i++) {

         set.insert(C[i]);

        }

     int sum =0;

     for(std::set<int>::iterator it = set.begin(); it != set.end(); it++) {

           sum += \*it;

        }

     printf("%d", sum);

     printf("**\n**");

 }

    system("pause");

 return 0;

}