

ASK/VIEW DOUBT

SOLUTION

Problem

Result

Code : Maximum Frequency Number

Send Feedback

You are given an array of integers that contain numbers in random order. Write a program to find and return the number which occurs the maximum times in the given input.

If two or more elements contend for the maximum frequency, return the element which occurs in the array first.

Input Format :

Line 1 : An Integer N i.e. size of array
Line 2 : N integers which are elements of the array, separated by spaces

Output Format :

Most frequent element

Constraints :

0 <= N <= 10^8

Sample Input 1 :

13
2 12 2 11 12 2 1 2 2 11 12 2 6

Sample Output 1 :

2

Sample Input 2 :

3
1 4 5

Sample Output 2 :

1

1

2

3

4

5

6

7

8

9

10

11

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```
#include<unordered_map>
int highestFrequency(int *input, int n){
    /* Don't write main().
    * the input array is already passed as function argument.
    * Taking input and printing output is handled automatically.
    */
    unordered_map<int, int> seen;
    for(int i=0;i<n;i++){
        if(seen.count(input[i]))
            seen[input[i]]++;
        else
            seen[input[i]]=1;
    }
    int ans = input[0];
    int max = seen[input[0]];
    int j=1;
    while(j<n){
        if(seen[input[j]]>max){
            max = seen[input[j]];
            ans= input[j];
        }
        j++;
    }
    return ans;
}
/*
int max=0,j;
for(int i=0;i<n;i++){
    if(arr[input[i]]>max){
        max=arr[input[i]];
        j=i;
    }
}
return input[j];
*/
```

< PREVIOUS

> NEXT

CUSTOM INPUT

SUBMIT SOLUTION