Count Frequency of Elements

<u>Problem</u>

Given an array a[] of size n, our task is to find the frequency of each element in the array.

Example

In the above array, frequency of elements is
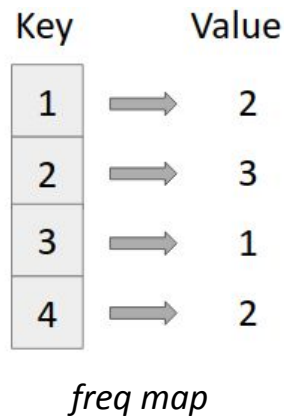

Answer

<u>Steps</u>

1. Declare a map (say freq) of both keys and value as int.

     map<int,int> freq;

2. Iterate over the elements of the array and in each iteration just do,

     freq[a[i]]++;

Imagination of freq map should be like this in your mind

Key		Value
1	⟹	2
2	⟹	3
3	⟹	1
4	⟹	2

freq map

Code

home > user > Desktop > Apni kaksha > G hello.cpp > ◎ main()

```cpp
#include<bits/stdc++.h>
using namespace std;

int main(){
    int n;
    cin >> n;

    vector<int> a(n);

    for(int i=0; i<n; i++) {
        cin >> a[i];
    }
    map<int,int> freq;
    for(int i=0; i<n; i++) {
        freq[a[i]]++;
    }
    map<int,int> :: iterator it;

    for(it = freq.begin(); it≠freq.end(); it++){
        cout << it→first <<" "<< it→second << endl;
    }
    return 0;
}
```

Local: hello

[-] Testcase 1 Failed 2

Input:
8
2 2 2 1 1 4 3 4

Expected Output:

Received Output:
1 2
2 3
3 1
4 2

+ New Testcase

↺ Run All   + New   ⊗