**Arrya problem**

1. **Min Max problem**

<https://practice.geeksforgeeks.org/problems/find-minimum-and-maximum-element-in-an-array4428/1>

pair<long long, long long> getMinMax(long long a[], int n) {

pair<long long, long long> p;

long max = a[0];

for(int i = 0; i <n; i++){

if(max < a[i]){

max = a[i];

}

}

long min = a[0];

for(int j = 0; j<n; j++){

if(min> a[j]){

min = a[j];

}

}

p.first = min;

p.second = max;

return p;

}

1. **Find frequency**

<https://practice.geeksforgeeks.org/problems/find-the-frequency/1>

\* x : element whose frequency is to be found

\* v : input vector

int findFrequency(vector<int> v, int x){

// Your code here

return count(v.begin(),v.end(), x);

1. **Missing number in array**

<https://practice.geeksforgeeks.org/problems/missing-number-in-array1416/1>

Approach 1: first sum of the array then sums of hole number then minus

Approach 2 : XOR operations

class Solution{

public:

int MissingNumber(vector<int>& array, int n) {

// Your code goes here

int asize = array.size();

int sum = 0;

for(int i = 0; i<asize; i++){

sum += array[i];

}

int finalsum = n\* (n +1)/2;

return finalsum - sum;