**Missing number in array**

Given an array of size **N-1** such that it only contains distinct integers in the range of **1 to N**. Find the missing element.

**Example 1:**

**Input:**

N = 5

A[] = {1,2,3,5}

**Output:** 4

**Example 2:**

**Input:**

N = 10

A[] = {6,1,2,8,3,4,7,10,5}

**Output:** 9

**Your Task :**  
You don't need to read input or print anything. Complete the function **MissingNumber()**that takes array and N as input  parameters and returns the value of the missing number.

**Expected Time Complexity:** O(N)  
**Expected Auxiliary Space:** O(1)

**Constraints:**  
1 ≤ N ≤ 106  
1 ≤ A[i] ≤ 106

class Solution{

public:

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

// Your code goes here

sort(array.begin() , array.end());

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

if(array[i]!=(i+1)){

return 1+i;

}

}

}

};

Link : <https://www.geeksforgeeks.org/problems/missing-number-in-array1416/1?page=1&difficulty=School,Basic,Easy&sortBy=submissions>