1. Write a console Application in C# where first line of input has an integer "n" and next line of input has "n-1" space separated integers having value between 1 to n and no number is repeating. Now you have to find which number is missing.

**Using java…**

**Save the file as Assign.java and run it**

import java.util.Arrays;

import java.util.\*;

class Assign{

public static List<Integer> findDisappearedNumbers(int[] nums) {

for (int i = 0; i < nums.length; i++) {

int index = Math.abs(nums[i]);

if (nums[index - 1] > 0) {

nums[index - 1] \*= -1;

}

}

List<Integer> res = new ArrayList<>();

for (int i = 0; i < nums.length; i++) {

if (nums[i] > 0) {

res.add(i + 1);

}

}

return res;

}

public static void main(String[] args) {

int [] a ={1,2,2,3,1};

List result=findDisappearedNumbers(a);

System.out.println("Missing numbers are: "+result);

}

}

