Character and it's Frequency

Take an integer **N** as input from user, then take **N** characters as input. And print the **Frequency** of Each Character.

Sample Input 0



ba.dbca

Sample Output 0



```
2 import java.util.*;
3
4 public class Solution {
5
6
       public static void main(String[] args) {
7
           Scanner scn = new Scanner(System.in);
8
           int n = scn.nextInt();
9
           char [] A = new char[n];
10
           for(int i = 0; i < n; i++){
11
               A[i] = scn.next().charAt(0);
12
13
          Arrays.sort(A); //print in required format
14
          HashMap<Character, Integer> hm = new HashMap<>();
15
          //key - char and value is int (count)
16
          //create freq map
          for(int i = 0; i < n; i++){
17
               if(hm.containsKey(A[i])){
18
19
                   int oldVal = hm.get(A[i]);
20
                   hm.put(A[i], oldVal + 1);
21
               }else{
22
                   hm.put(A[i], 1);
23
24
25
26
          //print
27
           for(int i = 0; i < n; i++){
28
               if(hm.containsKey(A[i])){
                   System.out.println(A[i] + " " + hm.get(A[i]));
29
                   hm.remove(A[i]);
30
31
32
           }
33
```

employee management

AL Knowne, title, dpt.>

You are tasked with developing an employee management system for a company. To efficiently store employee data, you decide to use a **HashMap**>. In this HashMap, the keys represent unique employee IDs, and the values are Arrayl ists of employee details as strings, including the employee's name job title, and department.

you will be getting T queries which includes:

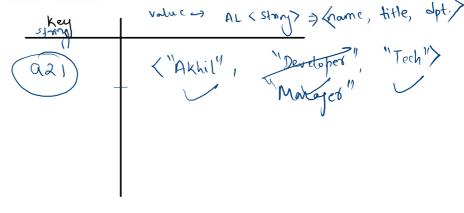
- 1. case-1 (add) -> add employee with details.
- 2. case-2 (update) -> update job title of a given employee.
- 3. case-3 (delete) -> remove the employee.
- 4. case-4 (show) -> print details of a given employee else print -1.

Sample Input 0

5 add a21 Akhil Developer Tech add a34 anuj TeamLead Hr update a34 Manager delete a21 show a34

Sample Output 0

anuj Manager Hr



AL (string) / "kanan", "Manager", "Tech"> Q21 a21 1002 $hm \cdot get ("azı") = 1002$ Integer a = hmget(azı)

```
1 ▼import java.io.*;
                                                                       ■ Stop share
                                             You are screen sharing
2 import java.util.*;
3 ▼public class Solution {
      public static void main(String[] args) {
          Scanner scn = new Scanner(System.in);
          int t = scn.nextInt();
          HashMap<String, ArrayList<String>> hm = new HashMap<>();
          for(int i = 1; i \le t; i++){
               String opr = scn.next();
              if(opr.equals("add")){
                   String id = scn.next();
                   String name = scn.next();
                   String title = scn.next();
                   String dept = scn.next();
                   ArrayList<String> val = new ArrayList<>();
                   val.add(name):
                   val.add(title);
                   val.add(dept);
                   hm.put(id, val);
              }else if(opr.equals("update")){ //name, title, dpt
                   String id = scn.next();
                   String newTitle = scn.next();
                   ArrayList<String> val = hm.get(id);
                   val.set(1, newTitle);
               }else if(opr.equals("delete")){
                   String id = scn.next();
                   hm.remove(id);
              }else{ //show
                   String id = scn.next();
                   if(hm.containsKey(id)){
                       ArrayList<String> val = hm.get(id);
                       System.out.println(val.get(0) + " " + val.get(1) + " " + val.get(2));
                   }else{
                       System.out.println(-1);
```

5

6

7

8 *

9

10 1

12

13

14

15

16

17

18

19

20 1

21

22

23

24

25 26 1

27

28 29 1

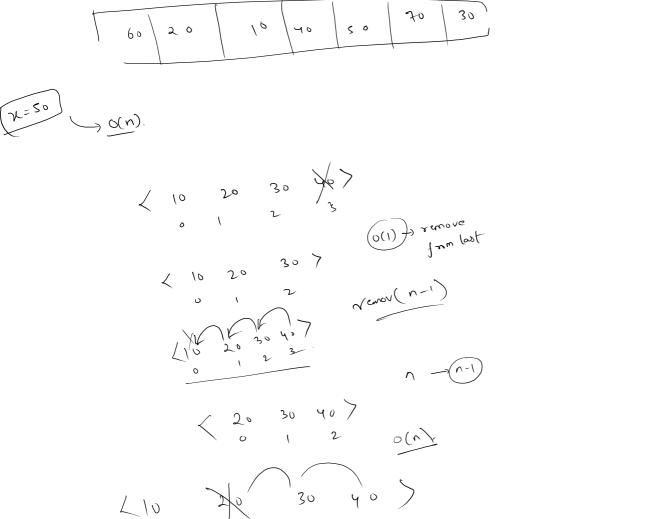
30

32

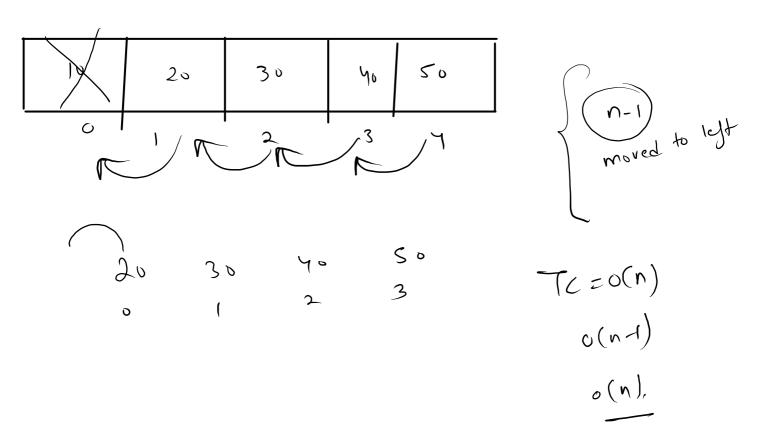
34 ▼

35

31 ▼



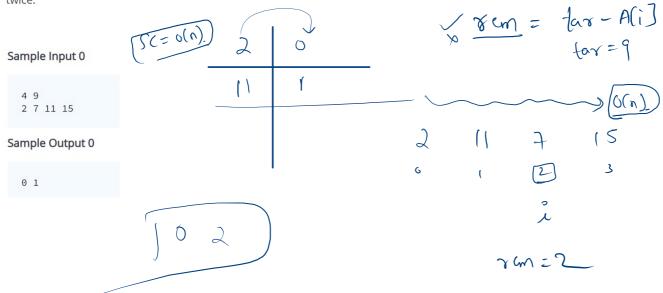
1 0(n)=

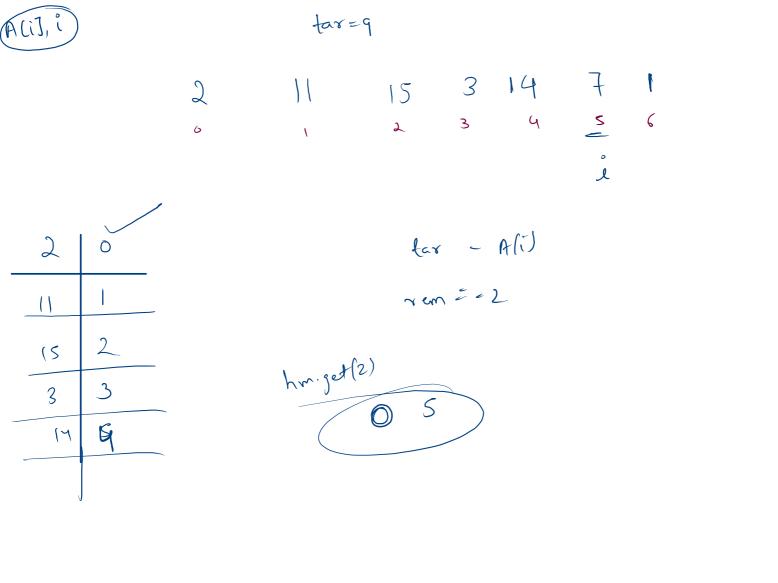


How? constant containskey interally hoston 1 mmmary

Given an array of integers nums and an integer target, print indices of the two numbers such that they add up to target.

You may assume that each input would have exactly one solution, and you may not use the same element twice.





```
1 import java.io.*;
 2 import java.util.*;
 4 public class Solution {
       public static void main(String[] args) {
           Scanner scn = new Scanner(System.in);
           int n = scn.nextInt();
           int tar = scn.nextInt();
10
           int [] A = new int[n];
11
           for(int i = 0; i < n; i++){
12
               A[i] = scn.nextInt();
13
14
15
           HashMap<Integer, Integer> hm = new HashMap<>();
           for(int i = 0; i < n; i++){
16
17
               int rem = tar - A[i];
18
               if(hm.containsKey(rem)){
19
                   System.out.println(hm.get(rem) + " " + i);
20
                   break;
               hm.put(A[i], i);
23
24
25 }
```

21