employee management

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 ArrayLists of employee details as strings, including the employee's name, job title, and department.

you will be getting T queries which includes:

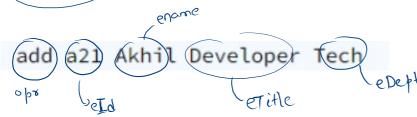
- 1. case-1 (add) -> add employee with details.
- 2. case-2 (update) -> update job title of a given employee.
- 3. case-3 (delete) -> remove the employee.
- 4. case-4 (show) -> print details of a given employee else print -1.

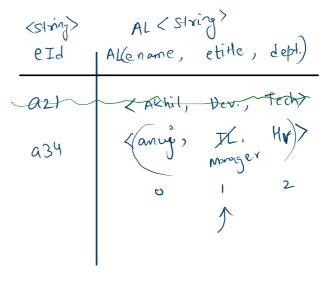
Sample Input 0

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

Sample Output 0

anuj Manager Hr





```
4 public class Solution {
 6
       public static void main(String[] args) {
 7
            Scanner scn = new Scanner(System.in);
 8
            HashMap<String, ArrayList<String>> hm = new HashMap<>();
 9
            int n = scn.nextInt();
10
            for(int i = 0; i < n; i++){
11
                String opr = scn.next();
12
                String id = scn.next();
13
14
                if(opr.equals("add")){
15
                    String name = scn.next();
 16
                    String title = scn.next();
17
                    String dept = scn.next();
18
                    ArrayList<String> details = new ArrayList<>();
19
                    details.add(name);
20
                    details.add(title);
21
                    details.add(dept);
                    hm.put(id, details);
23
24
                }else if(opr.equals("update")){
25
                    String newRole = scn.next();
26
                    ArrayList<String> data = hm.get(id);
27
                    data.set(1, newRole);
28
                    hm.put(id, data);
29
                }else if(opr.equals("delete")){
30
                    hm.remove(id);
31
                }else{//show
32
                    if(hm.containsKey(id)){
33
                        for(String res: hm.get(id)){
34
                            System.out.print(res + " ");
35
36
                        System.out.println();
37
                    }
38
                    else{
39
                         System.out.println(-1);
40
41
42
43
44
45
46
47 }
```

You are screen sharing

(a)

```
public class Main

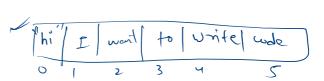
{
    public static void main(String[] args) {
        String s = "hi I want to write code";
        String [] A = s.split(" ");

        System.out.println(A.length);

        for(String r : A){
            System.out.println(r);
        }

        System.out.println(r);
}

System.out.println();
}
```



s→ "hi I want to write code"

id×

Q



0

tart=9

























ele

Sample Input 0

(49) 2 7 11 15

Sample Output 0

```
1 import java.io.*;
2 import java.util.*;
                                                                          0
4 public class Solution {
      public static void main(String[] args) {
           Scanner scn = new Scanner(System.in);
          int n = scn.nextInt();
                                                                                      yem = 2
 9
          int tar = scn.nextInt();
         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<>();
16
17
           for(int i = 0; i < n; i++){
                                                                              0
18
               int rem = tar - A[i];
              if(hm.containsKey(rem)){
19
20
                   System.out.println(hm.get(rem) + " " + i);
21
                  break;
                                                                      5
22
              hm.put(A[i], i);
23
24
25
26 }
```

Sample Input 0

A 1 2 3 4 5

Sample Output 0

3

cour =
$$A[i] = 3$$

rem = $K - A[i] = 2$

$$Y + I$$

$$A = A[i] = X$$

K=5

```
1 import java.io.*;
2 import java.util.*;
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
          int [] A = new int[n];
                                                                    m=0
10
           for(int i = 0; i < n; i++){
11
              A[i] = scn.nextInt();
12
13
         int k = scn.nextInt();
14
           int ans = 0;
15
           HashMap<Integer, Integer> hm = new HashMap<>();
           for(int i = 0; i < n; i++){
16
17
              int rem = k - A[i];
18
              if(hm.containsKey(rem)){
                   ans++;
20
                  int val = hm.get(rem)-1;
21
                  hm.put(rem, val);
22
                  if(val == 0){
23
                      hm.remove(rem);
24
25
              }else{
26
                  hm.put(A[i], hm.getOrDefault(A[i], 0) + 1);
27
28
29
           System.out.println(ans);
30
31 }
```