

Word Meaning

Sample Input 1

You are required to create a **dictionary** consisting of word and its meaning.

Take an integer N as input and **Continue** the process untill **Case 4** is not achieved.

- If $N==1$, take word and meaning as input from user and add it to the dictionary. *put*
- If $N==2$, take a word as input from the user and print its meaning, if the word is not found print -1. *get*
- If $N==3$, take a word as input from the user and delete it from the dictionary. *remove*
- If $N==4$, **Close** the dictionary(**Exit** the program).

get
containskey

1
Geekster
Coding
1
Geek
Coder
2
Geek
3
Geek
2
Geekster
2
Geek
4
Geekster

Sample Output 1

~~Coder~~
~~Coding~~
~~-1~~

Geekster	Coding

```

1 import java.io.*;
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         HashMap<String, String> hm = new HashMap<>();
9
10
11         while(true){
12             int x = scn.nextInt();
13             if(x == 1){
14                 String w = scn.next();
15                 String m = scn.next();
16                 hm.put(w, m);
17             }else if(x == 2){
18                 String w = scn.next();
19                 if(hm.containsKey(w)){
20                     System.out.println(hm.get(w));
21                 }else{
22                     System.out.println(-1);
23                 }
24             }else if(x == 3){
25                 String w = scn.next();
26                 hm.remove(w);
27             }else{ //x == 4
28                 break;
29             }
30
31         }
32     }

```

Sample Input 1

```

1
Geekster
Coding
1
Geek
Coder
2
Geek
3
Geek
2
Geekster
2
Geek
4

```

Sample Output 1

```

Coder
Coding
-1

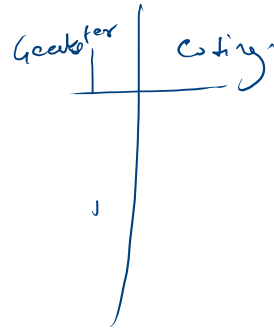
```

$x=1$

$x=1$

$x=2$

$x=3$



Same Number Same Frequency

Take an Integer **N** as input and then take **N** integers input from **Geeku**.

Geeku wants to print all those integers whose frequency is exactly same as the integer's absolute value.

You have to help **Geeku** in doing so.

Note: 0 is excluded

Sample Input 0

```
10
4 5 -3 8 -3 4 4 -3 6 4
```

Sample Output 0

```
-3
4
```

$$\text{abs}(-4) = 4$$

$$\text{abs}(4) = 4$$

	freq	abs
4	1 2 3	4
5	1	5
-3	1 2 3	3
8	1	8
6	1	6

4 4
0 1

4	1

get \rightarrow 4
 \downarrow

old val 1

4, old val + 1

n=10

```
7 Scanner scn = new Scanner(System.in);
8 int n = scn.nextInt();
9 int [] A = new int[n];
10 for(int i = 0; i < n; i++){
11     A[i] = scn.nextInt();
12 }
13
14 HashMap<Integer, Integer> hm = new HashMap<>();
15
16 for(int i = 0; i < n; i++){
17     int key = A[i];
18     if(hm.containsKey(key)){
19         int oldVal = hm.get(key);
20         hm.put(key, oldVal + 1);
21     }else{ //key is coming for first time
22         hm.put(key, 1);
23     }
24 }
25
26 //sort: just to print in required order
27 Arrays.sort(A);
28
29
30 for(int i = 0; i < n; i++){
31     int key = A[i];
32     int absKey = Math.abs(key);
33     if(absKey == hm.get(key)){
34         System.out.println(key);
35         hm.put(key, 0);
36     }
37 }
```

4 -3 4 -3 4 -3 4 5 8 6
0 1 2 3 4 5 6 7 8 9

-3 -3 -3 4 4 4 5 6 8
0 1 2 3 4 5 6 7 8 9

i

key = -3

abkey = 3

~~3 == 0~~

4	4
-3	0
5	1
8	1
6	1

-3
-3

4	4
-3	3
5	1
8	1
6	1