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Memorise Me!

Attempted by: **14544** / Accuracy: **17%** / Maximum Score: **10** / ★★★★★☆ 350 Votes

Tag(s): Very-Easy

PROBLEM**EDITORIAL****MY SUBMISSIONS**

Arijit is a brilliant boy. He likes memory games. He likes to participate alone but this time he has to have a partner. So he chooses **you**.

In this Game , your team will be shown **N** numbers for few minutes . You will have to memorize these numbers.

Now, the questioner will ask you **Q queries**, in each query He will give you a number , and you have to tell him **the total number of occurrences of that number in the array of numbers shown to your team** . If the number is not present , then you will have to say **"NOT PRESENT"** (without quotes).

INPUT And OUTPUT

The first line of input will contain N , an integer, which is the total number of numbers shown to your team.

The second line of input contains N space separated integers .

The third line of input contains an integer Q , denoting the total number of integers.

The Next Q lines will contain an integer denoting an integer, B_i , for which you have to print the number of occurrences of that number (B_i) in those N numbers on a new line.

If the number B_i isn't present then Print **"NOT PRESENT"** (without quotes) on a new line.

CONSTRAINTS

$$1 \leq N \leq 10^5$$

$$0 \leq B_i \leq 1000$$

$$1 \leq Q \leq 10^5$$

SAMPLE INPUT

```
6
1 1 1 2 2 0
6
1
2
```



1
0
3
4

11

LIVE EVENTS

SAMPLE OUTPUT



3
2
3
1
NOT PRESENT
NOT PRESENT

Explanation

The given array is (1,1,1,2,2,0) of size 6.

Total number of queries is 6 also.

For the first query i.e for 1 , the total of number of occurrences of 1 in the given array is 3 . Hence the corresponding output is 3.

For the second query i.e. for 2, the total of number of occurrences of 2 in the given array is 2 . Hence the corresponding output is 2.

For the fifth query i.e. for 3. 3 is not present in the array . So the corresponding output is "NOT PRESENT" (without quotes).

Time Limit: 0.6 sec(s) for all input files combined.

Memory Limit: 256 MB

Source Limit: 1024 KB

Marking Scheme: Marks are awarded when all the testcases pass.

Allowed Languages: Bash, C, C++, C++14, Clojure, C#, D, Erlang, F#, Go, Groovy, Haskell, Java, Java 8, JavaScript(Rhino), JavaScript(Node.js), Julia, Kotlin, Lisp, Lisp (SBCL), Lua, Objective-C, OCaml, Octave, Pascal, Perl, PHP, Python, Python 3, R(RScript), Racket, Ruby, Rust, Scala, Swift, Swift-4.1, TypeScript, Visual Basic

CODE EDITOR

Enter your code or [Upload your code](#) as file.

Save

Java 8 (oracle 1.8.0_131)



```
1  /* IMPORTANT: Multiple classes and nested static classes are supported */
2
3  /*
4      * uncomment this if you want to read input.
```



```
5 //imports for BufferedReader
6 import java.io.BufferedReader;
7 import java.io.InputStreamReader;
8
9 //import for Scanner and other utility classes
10 import java.util.*;
11 */
12
13 // Warning: Printing unwanted or ill-formatted data to output will cause the test
14
15 import java.io.BufferedReader;
16 import java.io.IOException;
17 import java.io.InputStreamReader;
18 import java.util.HashMap;
19 import java.util.Map;
20
21 class TestClass {
22     public static void main(String[] args) throws IOException {
23         try(final BufferedReader reader = new BufferedReader(new InputStreamReader(
24             final int total = Integer.parseInt(reader.readLine());
25             final String inputList = reader.readLine());
26
27             String[] split = inputList.split(" ");
28
29             final Map<Integer, Integer> hashMap = new HashMap<>(total);
30
31             for(int i = 0; i < split.length; i++) {
32                 final int temp = Integer.parseInt(split[i]);
33                 if(hashMap.containsKey(temp)) {
34                     hashMap.put(temp, hashMap.get(temp) + 1);
35                 }else {
36                     hashMap.put(temp, 1);
37                 }
38             }
39
40             final int totalInputs = Integer.parseInt(reader.readLine());
41
```

53

💡 Press Ctrl/Command+Spacebar for autocomplete suggestions (accuracy dependent on connection stability).

☒ Provide custom input

COMPILE & TEST

SUBMIT

Submission ID: 25799521 / 11 seconds ago

RESULT:  Accepted

Score	Time (sec)	Memory (KiB)	Language
10.0	1.12544	3137136	Java 8

?

Input	Result	Time (sec)	Memory (KiB)	Score	Your Output	Correct Output	Diff
Input #1	✓	0.101385	64	10			
Input #2	✓	0.103294	64	10			
Input #3	✓	0.109446	64	10			
Input #4	✓	0.200878	3137136	20			
Input #5	✓	0.610433	3137136	50			

Compilation Log

No compilation log for this submission.

Your Rating: ★★★★★

[View all comments](#)**PROGRAMMERS WHO SOLVED THIS PROBLEM ALSO SOLVED****Binary Queries**Attempted By: **13098** / Accuracy: **24**

★★★★☆ 241 Votes

Monk And Welcome Pro...Attempted By: **34285** / Accuracy: **82**

★★★★☆ 913 Votes

Micro And Array UpdateAttempted By: **23109** / Accuracy: **72**

★★★★☆ 543 Votes

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