Memorise Me!

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

Tag(s): Very-Easy

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
```

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   * uncommment this if you want to read input.
```

```
//imports for BufferedReader
import java.io.BufferedReader;
import java.io.InputStreamReader;

//import for Scanner and other utility classes
import java.util.*;
*/

// Warning: Printing unwanted or ill-formatted data to output will cause the te

import java.io.BufferedReader;
import java.io.IOException;
import java.io.InputStreamReader;
import java.util.HashMap;
import java.util.Map;

class TestClass {
    public static void main(String[] args) throws IOException {
        try(final BufferedReader reader = new BufferedReader(new InputStreamRea
            final int total = Integer.parseInt(reader.readLine());
            final String inputList = reader.readLine();

            String[] split = inputList.split(" ");

            final Map<Integer, Integer> hashMap = new HashMap<>(total);

            for(int i = 0; i < split.length; i++) {
                final int temp = Integer.parseInt(split[i]);
                if(hashMap.containsKey(temp)) {
                    hashMap.put(temp, hashMap.get(temp) + 1);
                }else {
                    hashMap.put(temp, 1);
                }
            }

            final int totalInputs = Integer.parseInt(reader.readLine());
```

53:1

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 Update
Attempted By: **23109** / Accuracy: **72**
543 Votes