



Java List ☆

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**Problem**

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For this problem, we have 2 types of queries you can perform on a List:

1. Insert y at index x :

```
Insert
x y
```

2. Delete the element at index x :

```
Delete
x
```

Given a list, L , of N integers, perform Q queries on the list. Once all queries are completed, print the modified list as a single line of space-separated integers.

Input Format

The first line contains an integer, N (the initial number of elements in L).

The second line contains N space-separated integers describing L .

The third line contains an integer, Q (the number of queries).

The $2Q$ subsequent lines describe the queries, and each query is described over two lines:

- If the first line of a query contains the String **Insert**, then the second line contains two space separated integers x y , and the value y must be inserted into L at index x .
- If the first line of a query contains the String **Delete**, then the second line contains index x , whose element must be deleted from L .

Constraints

- $1 \leq N \leq 4000$
- $1 \leq Q \leq 4000$
- Each element in is a 32-bit integer.

Output Format

Print the updated list L as a single line of space-separated integers.

Sample Input

```
5
12 0 1 78 12
2
Insert
5 23
Delete
0
```

Sample Output

```
0 1 78 12 23
```

Author

Shuboy2014

Difficulty

Easy

Max Score

15

Submitted By

34752

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Explanation

$L = [12, 0, 1, 78, 12]$

Q_0 : **Insert** 23 at index 5.

$L_0 = [12, 0, 1, 78, 12, 23]$

Q_1 : **Delete** the element at index 0.

$L_1 = [0, 1, 78, 12, 23]$

Having performed all Q queries, we print L_1 as a single line of space-separated integers.

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Java 8



```
1  import java.io.*;
2  import java.util.*;
3
4  public class Solution {
5
6      public static void main(String[] args) {
7          /* Enter your code here. Read input from STDIN. Print
8             output to STDOUT. Your class should be named Solution. */
9      }
10
11 }
```

Line: 1 Col: 1

Upload Code as File ☐ Test against custom input

Run Code

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