



# Give Current Max

Problem

Submissions

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## Problem Statement

You will be given a list **A** of size **N**. The list will contain data of some students where each student have **Name**, **Roll** and **Marks**. Then you will be given **Q** queries, for each query there will be some commands. Commands are given below -

1. **0 X** -> Insert X into the list where X is the data of a student which contain **Name**, **Roll** and **Marks**. Then print the current student's data who has the maximum **Marks** from the list.
2. **1** -> Print the current student's data who has the maximum **Marks** from the list.
3. **2** -> Delete the student who has the maximum **Marks** from the list and print the current student who has the maximum **Marks** from the list.

**Note:** If there are multiple students with same **Marks** then we will select whose **Roll** is smaller. If the list is empty and you can't print anything then you should print "**Empty**".

## Input Format

- First line will contain **N**.
- Next **N** lines will contain **Name**, **Roll** and **Marks** of student **A[i]**.
- Third line will contain **Q**.
- Next **Q** lines will contain the commands.

## Constraints

1.  $1 \leq N+Q \leq 10^5$
2.  $1 \leq |\text{Name}| \leq 1000$ , Name will contain only English lowercase letters and will not contain any spaces.
3.  $0 \leq \text{Roll} \leq 10^5$
4.  $0 \leq \text{Marks} \leq 100$

## Output Format

- For each command, print as asked from the list.

## Sample Input 0

```
3
akib 23 95
jobbar 24 99
ali 25 100
8
1
2
2
```

```
2
0 kabir 15 65
0 asif 55 65
2
0 tamim 35 65
```

### Sample Output 0

```
ali 25 100
jobbar 24 99
akib 23 95
Empty
kabir 15 65
kabir 15 65
asif 55 65
tamim 35 65
```

[f](#) [t](#) [in](#)

Submissions: 86

Max Score: 20

Difficulty: Easy

Rate This Challenge:

☆☆☆☆☆

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C++20



```
1 #include <bits/stdc++.h>
2
3 using namespace std;
4
5
6
7 int main()
8 {
9     // Write your code here
10
11     return 0;
12 }
13
```

Line: 1 Col: 1

[Upload Code as File](#)☐ Test against custom input

Run Code

Submit Code