

# 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.  $0\ X \rightarrow$  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.  $1 \rightarrow$  Print the current student's data who has the maximum  $Marks$  from the list.
3.  $2 \rightarrow$  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.  $1 \leq |Name| \leq 1000$ ,  $Name$  will contain only English lowercase letters and will not contain any spaces.
3.  $0 \leq Roll \leq 10^5$
4.  $0 \leq Marks \leq 100$

## 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: [103](#)

Max Score: 20

Difficulty: Easy

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☆☆☆☆☆

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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

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