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Give Current Min

Problem	Submissions	Leaderboard	Discussions

Problem Statement

You will be given a list **A** of size **N**. 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. Then print the current minimum value from the list.

2. **1** -> Print the minimum value from the list.

3. **2** -> Delete the minimum value from the list and print the current minimum value from the list.

Note: If the list is empty and you can't print anything then you should print "**Empty**".

Input Format

- First line will contain **N**.

- Second line will contain the list **A** of size **N**.

- Third line will contain **Q**.

- Next **Q** lines will contain the commands.

Constraints

1. $1 <= N+Q <= 10^5$

2. $-10^9 <= A[i] <= 10^9$; Here A[i] means the values of the list A.

3. $-10^9 <= X <= 10^9$

Output Format

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

Sample Input 0

```
4
10 -10 -5 -20
10
1
2
2
2
2
0 10
1
2
```

```
0 20
1
```

Sample Output 0

```
-20
-10
-5
10
Empty
10
10
Empty
20
20
```

Sample Input 1

```
6
45 -30 83 -99 19 75
9
1
2
2
0 32
0 6
2
2
0 -86
1
```

Sample Output 1

```
-99
-30
19
19
6
19
32
-86
-86
```

Submissions: 114
Max Score: 20
Difficulty: Easy

Rate This Challenge:
☆☆☆☆☆

More

| C++20 | | |

```cpp
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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