16/11/2017 HackerRank

















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Maximum Element





Problem

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You have an empty sequence, and you will be given  $m{N}$  queries. Each query is one of these three types:

- -Push the element x into the stack.
- -Delete the element present at the top of the stack.
- -Print the maximum element in the stack.

#### **Input Format**

The first line of input contains an integer, N. The next N lines each contain an above mentioned query. (It is guaranteed that each query is valid.)

#### **Constraints**

 $1 \le N \le 10^5$ 

 $1 \leq x \leq 10^9$ 

 $1 \leq type \leq 3$ 

## **Output Format**

For each type 3 query, print the maximum element in the stack on a new line.

### **Sample Input**

10

1 97

2

1 20

1 26 1 20

2

3 1 91

# **Sample Output**

26

91

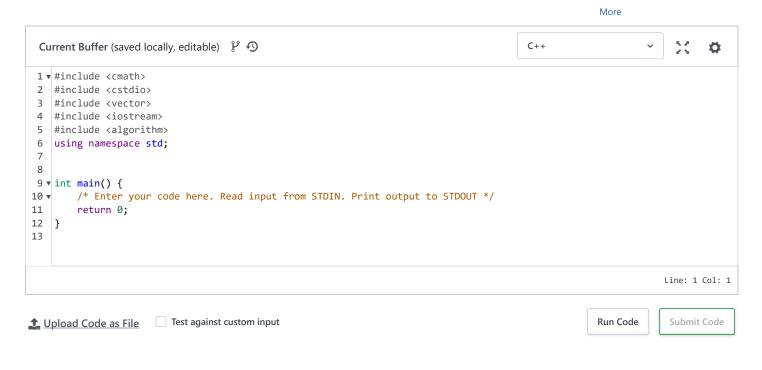
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Submissions: 39217

Max Score:20 Difficulty: Easy

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