

D. Stack

time limit per test: 1 second  
memory limit per test: 256 megabytes  
input: standard input  
output: standard output

You have an empty stack of integers, and  $q$  queries in the following format:

- $push\ x$  : where  $(1 \leq x \leq 10^9)$  add  $x$  in the top of the stack.
- $pop$  : remove the top of the stack.
- $top$  : print the top of the stack.

It's guaranteed that in the last 2 types of the query, the stack is not empty

Input

The first line of input contains an integer  $q$  ( $1 \leq q \leq 10^5$ ).

The next  $q$  lines contain the queries.

Output

Print the answer to the queries in separate lines

Example

inputCopy

10  
push 5  
top  
push 6  
top  
push 3  
top  
pop  
top  
pop  
top

outputCopy

5  
6  
3  
6  
5

ICPC Assiut University Training - Standard - Juniors Phase 1

Public

Participant

→ Group Contests

- Standard #5 (Bits , bit-masking )
- Standard #4 (Binary search , two pointers )
- Standard #3 (set , sorting, compare function , map )
- Standard #2 (binary search , stack , queue, deque , priority queue)
- Standard #1 (Frequency , prefix sum , vector , pair ,struct)

Standard #2 (binary search , stack , queue, deque , priority queue).

Finished

Practice

→ Virtual participation

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Start virtual contest

→ Submit?

Language: GNU G++20 11.2.0 (64 bit, w

Choose file: Choose File No file chosen

Submit

→ Last submissions

Submission	Time	Verdict
<a href="#">226498614</a>	Oct/03/2023 23:43	Accepted
<a href="#">226498212</a>	Oct/03/2023 23:36	Accepted