









Problem: Week 3 - Simulation Queue

Description

Perform a sequence of operations over a queue, each element is an integer:

- PUSH v: push a value v into the queue
- POP: remove an element out of the queue and print this element to stdout (print NULL if the queue is empty)

Input

Each line contains a command (operration) of type

- PUSH v
- POP

Output

• Write the results of POP operations (each result is written in a line)

Example

Input

PUSH 1

PUSH 2

PUSH 3

POP POP PUSH 4 PUSH 5 POP # Output 1 2 3 Input PUSH 1 POP POP PUSH 4 POP # Output NULL 4

Sample TestCase

C 17

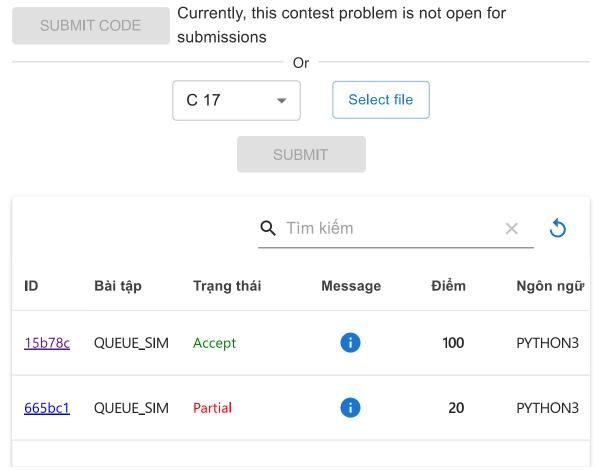
Write your Source code here

Source code

2 #include <stdio.h>

int main()

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