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The image shows two screenshots of the HackerRank website. The top screenshot displays a notification for a submission on the 'Queue using Two Stacks' problem, indicating a score of 30.00 points and a progress bar towards the next star. The bottom screenshot shows the code editor for the same problem, with a Python 3 solution implemented using two stacks.

HackerRank Queue using Two Stacks Problem Page

Notification: Your Queue using Two Stacks submission got 30.00 points. You are now 248.09 points away from the 4th star for your problem solving badge.

Problem Description: A queue is an abstract data type that maintains the order in which elements were added to it, allowing the oldest elements to be removed from the front and new elements to be added to the rear. This is called a First-In-First-Out (FIFO) data structure because the first element added to the queue (i.e., the one that has been waiting the longest) is always the first one to be removed.

Operations:

- Enqueue: add a new element to the end of the queue.

Code Editor (Python 3):

```
1 # Enter your code here. Read input from STDIN. Print output to STDOUT
2 new, old = [], []
3
4 queries = int(input().strip())
5
6 for _ in range(queries):
7     entry = list(map(int, input().strip().split(" ")))
8     command = entry[0]
9     if command == 1:
10         new.append(entry[1])
11     elif command == 2:
12         if not old:
13             while new: old.append(new.pop())
14         old.pop()
15     elif command == 3:
16         if old:
17             print(old[-1])
18         else:
19             if new:
20                 while new: old.append(new.pop())
21             print(old[-1])
22         else:
23             print(None)
24
```

Buttons: Run Code, Submit Code

Applications Wed, Feb 10 10:19 US 80%

hackerrank.com/challenges/queue-using-two-stacks/problem

You have earned 30.00 points!
You are now 248.09 points away from the 4th star for your problem solving badge.

10% 226.91/475

Congratulations
You solved this challenge. Would you like to challenge your friends? [f](#) [t](#) [in](#) [Next Challenge](#)

Test case 0
Test case 1
Test case 2
Test case 3
Test case 4
Test case 5
Test case 6

Success

Input (stdin) Download

```
1 10
2 1 42
3 2
4 1 14
5 3
6 1 28
7 3
8 1 60
9 1 78
10 2
```

Applications Wed, Feb 10 10:19 US 80%

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Test case 6
Test case 7
Test case 8
Test case 9
Test case 10
Test case 11
Test case 12

Success

Input (stdin) Download

```
1 10
2 1 42
3 2
4 1 14
5 3
6 1 28
7 3
8 1 60
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```

Code:

```
# Enter your code here. Read input from STDIN. Print output to STDOUT
new, old = [], []

queries = int(input().strip())

for _ in range(queries):
    entry = list(map(int, input().strip().split(" ")))
    command = entry[0]
    if command == 1:
        new.append(entry[1])
    elif command == 2:
        if not old:
            while new: old.append(new.pop())
        old.pop()
    elif command == 3:
        if old:
            print(old[-1])
        else:
            if new:
                while new: old.append(new.pop())
                print(old[-1])
            else:
                print(None)
```