

Problems - LeetCode

Implement Stack using Queues

leetcode.com/problems/implement-stack-using-queues/submissions/1195884367/

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Shreya_S_Rudagi submitted at Mar 06, 2024 22:00

Editorial

Solution

Runtime

0 ms

Beats 100.00% of users with C

Memory

5.83 MB

Beats 57.59% of users with C

60%

40%

20%

0%

1ms

2ms

Code

C

#include <stdbool.h>
#include <stdlib.h>

typedef struct {
 int* data;
 int front;
 int rear;
 int size;
} Queue;

Queue* createQueue(int size) {
 Queue* queue = (Queue*)malloc(sizeof(Queue));
 queue->data = (int*)malloc(size * sizeof(int));
 queue->front = queue->rear = -1;
 queue->size = size;
 return queue;
}

View more

Code

Auto

1 #include <stdbool.h>
2 #include <stdlib.h>
3
4 typedef struct {
5 int* data;
6 int front;
7 int rear;
8 int size;
9 } Queue;
10
11 typedef struct {
12 Queue* q1;
13 Queue* q2;
14 } MyStack;
15
16 Queue* createQueue(int size) {
17 Queue* queue = (Queue*)malloc(sizeof(Queue));
18 queue->data = (int*)malloc(size * sizeof(int));
19 queue->front = queue->rear = -1;
20 queue->size = size;
21 return queue;
22 }

Saved to local

Testcase

Test Result

Case 1

["MyStack", "push", "push", "top", "pop", "empty"]

[[], [1], [2], [], [], []]

Source

Shreya_S_Rudagi

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