



# **STACK & QUEUE - SET 3 QUESTIONS**

#### **Question 1:**

Problem link: <a href="https://leetcode.com/problems/min-stack/">https://leetcode.com/problems/min-stack/</a>

Difficulty level: Easy

Expected Complexity:

➤ Time: O(1)

> Extra space:O(n)

#### **Question 2:**

Problem link: <a href="https://leetcode.com/problems/next-greater-element-i/">https://leetcode.com/problems/next-greater-element-i/</a>

Difficulty level: Easy

Expected Complexity:

➤ Time: O(n)

> Extra space:O(n)

## **Question 3:**

Problem link:

https://practice.geeksforgeeks.org/problems/3-data-structures/0/?category[]=priority-queue&category[]=priority-queue&page=1&query=category[]priority-queueepage1category[]priority-queue

Difficulty level: Easy

Expected Complexity:

 $\rightarrow$  Time: O(N)



## Brute Force Made Easy (BFME) 2021-2022



> Extra space: O(N)

#### **Question 4:**

Problem link:

https://practice.geeksforgeeks.org/problems/easy-string2212/1/?category[]=Stack&category[]=Stack&difficulty[]=0&page=1&query=category[]Stackdifficulty[]0page1category[]Stack

Difficulty level: Easy

Expected Complexity:

 $\rightarrow$  Time: O(|S|)

> Extra space: O(1)

#### **Question 5:**

Problem link: <a href="https://leetcode.com/problems/design-circular-deque/">https://leetcode.com/problems/design-circular-deque/</a>

Difficulty level: Medium

Expected Complexity:

 $\succ$  Time: Each of the operations of the circular deque should take O(1) time.

> Extra space: O(k)

k-> size of circular deque

#### **Question 6:**

Problem link: <a href="https://leetcode.com/problems/decoded-string-at-index/">https://leetcode.com/problems/decoded-string-at-index/</a>

Difficulty level: Medium

Expected Complexity:

➤ Time: O(n)

> Extra space: O(1)



# Brute Force Made Easy (BFME) 2021-2022



#### **Question 7:**

Problem link:

https://practice.geeksforgeeks.org/problems/circular-tour-1587115620/1/?categ ory[]=Queue&category[]=Queue&difficulty[]=1&page=1&query=category[]Queue edifficulty[]1page1category[]Queue

Difficulty level: MediumExpected Complexity:

➤ Time: O(N)

> Extra space: O(1)

#### **Question 8:**

Problem link:

https://leetcode.com/problems/shortest-subarray-with-sum-at-least-k

Difficulty level: Hard

Expected Complexity:

➤ Time: O(n)

> Extra space: O(n)