

TOTAL 42 QUESTIONS (IMPORTANT QUES)

Stack (22)

Basic

1. <https://practice.geeksforgeeks.org/problems/implement-stack-using-linked-list/1/?track=sp-stack&batchId=152>
2. <https://practice.geeksforgeeks.org/problems/implement-stack-using-array/1/?track=sp-stack&batchId=152>

Easy

1. <https://practice.geeksforgeeks.org/problems/special-stack/1/?track=sp-stack&batchId=152>
2. <https://practice.geeksforgeeks.org/problems/sort-a-stack/1/?track=sp-stack&batchId=152>
3. <https://practice.geeksforgeeks.org/problems/reverse-a-string-using-stack/1/?track=sp-stack&batchId=152>
4. <https://practice.geeksforgeeks.org/problems/delete-middle-element-of-a-stack/1/?track=sp-stack&batchId=152>
5. <https://practice.geeksforgeeks.org/problems/removing-consecutive-duplicates-2-1587115621/1/?track=sp-stack&batchId=152>
6. <https://practice.geeksforgeeks.org/problems/evaluation-of-postfix-expression1735/1/?track=sp-stack&batchId=152>
7. <https://practice.geeksforgeeks.org/problems/implement-two-stacks-in-an-array/1>
8. <https://practice.geeksforgeeks.org/problems/stack-using-two-queues/1>
9. <https://practice.geeksforgeeks.org/problems/valid-substring/0>
10. <https://practice.geeksforgeeks.org/problems/maximum-difference/1>
11. <https://practice.geeksforgeeks.org/problems/count-the-reversals/0>

Medium

1. <https://practice.geeksforgeeks.org/problems/parenthesis-checker/0/?track=md-stack&batchId=144>
2. <https://practice.geeksforgeeks.org/problems/next-larger-element/0/?track=md-stack&batchId=144>
3. <https://practice.geeksforgeeks.org/problems/get-minimum-element-from-stack/1/?track=md-stack&batchId=144>
4. <https://practice.geeksforgeeks.org/problems/max-rectangle/1/?track=sp-stack&batchId=152>
5. <https://practice.geeksforgeeks.org/problems/stock-span-problem-1587115621/1/?track=sp-stack&batchId=152>
6. <https://practice.geeksforgeeks.org/problems/the-celebrity-problem/1>
7. <https://practice.geeksforgeeks.org/problems/infix-to-postfix-1587115620/1/?track=sp-stack&batchId=152>
8. <https://practice.geeksforgeeks.org/problems/maximum-rectangular-area-in-a-histogram-1587115620/1/?track=sp-stack&batchId=152>
9. <https://practice.geeksforgeeks.org/problems/overlapping-intervals/0>

Intermediate Level Questions:

Stack:

- Implement Stack using Queues

[Practice here: <https://practice.geeksforgeeks.org/problems/stack-using-two-queues/1>]

- How to efficiently implement “k” stacks in an array ?

[Follow here: <https://www.geeksforgeeks.org/efficiently-implement-k-stacks-single-array/>]

- Design a Stack that supports getMin() in O(1) time and O(1) extra space.

[Follow here: <https://www.geeksforgeeks.org/design-a-stack-that-supports-getmin-in-o1-time-and-o1-extra-space/>]

- Implement stack and Queue using deque

[Follow here: <https://www.geeksforgeeks.org/implement-stack-queue-using-deque/>]

- Implement methods for Infix to Postfix, Prefix to Infix, Prefix to

Postfix, Postfix to Infix and Postfix to prefix Conversion using stack.

[Follow here: <https://www.geeksforgeeks.org/stack-set-2-infix-to-postfix/>]

[Follow here: <https://www.geeksforgeeks.org/prefix-infix-conversion/>]

[Follow here: <https://www.geeksforgeeks.org/prefix-postfix-conversion/>]

[Follow here: <https://www.geeksforgeeks.org/postfix-prefix-conversion/>]

[Follow here: <https://www.geeksforgeeks.org/postfix-to-infix/>]

- Find the next Greater element

[Practice here: <https://practice.geeksforgeeks.org/problems/next-larger-element/0>]

- The celebrity Problem

[Practice here: <https://practice.geeksforgeeks.org/problems/the-celebrity-problem/1>]

- Arithmetic Expression evaluation

[Practice here: <https://www.geeksforgeeks.org/arithmetic-expression-evaluation/>]

- Evaluation of Postfix expression

[Practice here: <https://practice.geeksforgeeks.org/problems/evaluation-of-postfix-expression/0>]

- Implement a method to insert an element at its bottom without

using any other data structure.

- Reverse a stack using recursion

[Follow here: <https://www.geeksforgeeks.org/reverse-a-stack-using-recursion/>]

- Sort a Stack using recursion

[Practice here: <https://practice.geeksforgeeks.org/problems/sort-a-stack/1>]

- Merge Overlapping Intervals

[Practice here: <https://practice.geeksforgeeks.org/problems/overlapping-intervals/0>]

- Largest rectangular Area in Histogram

[Practice here: <https://practice.geeksforgeeks.org/problems/maximum-rectangular-area-in-a-histogram/>

0]

- Length of the Longest Valid Substring

[Practice here: <https://practice.geeksforgeeks.org/problems/valid-substring/0>]

- Expression contains redundant bracket or not

[Follow here: <https://www.geeksforgeeks.org/expression-contains-redundant-bracket-not/>]

- Find the maximum difference between nearest left and right

smaller elements

[Practice here: <https://practice.geeksforgeeks.org/problems/maximum-difference/1>]

- Remove brackets from an algebraic string containing + and

–

operators

[Follow here: <https://www.geeksforgeeks.org/remove-brackets-algebraic-string-containing-operators/>

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- Implement a Simple text Editor using Stack

[Follow here: [http://algorithmsforgeeks.blogspot.com/2017/03/implement-text-editor-using-stack.](http://algorithmsforgeeks.blogspot.com/2017/03/implement-text-editor-using-stack.html)

html]

- Minimum number of bracket reversals needed to make an

expression balanced

[Practice here: <https://practice.geeksforgeeks.org/problems/count-the-reversals/0>]

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