Stack:

1• Implement Stack using Queues

[Practice here:

https://practice.geeksforgeeks.org/problems/stack-using-two-queues/1]

2• How to efficiently implement "k" stacks in an array ?

[Follow here:

https://www.geeksforgeeks.org/efficiently-implement-k-stacks-single-array/]

3• 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/]

4• Implement stack and Queue using deque

[Follow here:

https://www.geeksforgeeks.org/implement-stack-queue-using-deque/]

5• 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/]

6• Find the next Greater element

[Practice here:

https://practice.geeksforgeeks.org/problems/next-larger-element/0]

7• The celebrity Problem

[Practice here:

https://practice.geeksforgeeks.org/problems/the-celebrity-problem/1]

8• Arithmetic Expression evaluation

[Practice here:

https://www.geeksforgeeks.org/arithmetic-expression-evalution/]

9• Evaluation of Postfix expression

[Practice here:

https://practice.geeksforgeeks.org/problems/evaluation-of-postfix-expression/0

]

10• Implement a method to insert an element at its bottom without

using any other data structure.

11• Reverse a stack using recursion
[Follow here: https://www.geeksforgeeks.org/reverse-a-stack-using-recursion/
]
12• Sort a Stack using recursion
[Practice here: https://practice.geeksforgeeks.org/problems/sort-a-stack/1]
13• Merge Overlapping Intervals
[Practice here:
https://practice.geeksforgeeks.org/problems/overlapping-intervals/0]
14• Largest rectangular Area in Histogram

[Practice here:
https://practice.geeksforgeeks.org/problems/maximum-rectangular-area-in-a-histogram/0]

15• Length of the Longest Valid Substring
[Practice here: https://practice.geeksforgeeks.org/problems/valid-substring/0]
16• Expression contains redundant bracket or not
[Follow here:
https://www.geeksforgeeks.org/expression-contains-redundant-bracket-not/]
17• Find the maximum difference between nearest left and right
smaller elements
[Practice here:
https://practice.geeksforgeeks.org/problems/maximum-difference/1]
18• Remove brackets from an algebraic string containing + and –
operators

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

19• Implement a Simple text Editor using Stack

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

20• Minimum number of bracket reversals needed to make an
expression balanced
[Practice here:
https://practice.geeksforgeeks.org/problems/count-the-reversals/0]