Implement stack with single queue
http://www.geeksforgeeks.org/implement-a-stack-using-single-queue/

Reversing a stack using recursion
(insert the element at bottom)
http://www.geeksforgeeks.org/reverse-a-stack-using-recursion/

Sort a stack using recursion
(insert at appropriate position in bottom)
http://www.geeksforgeeks.org/sort-a-stack-using-recursion/

Stock span problem
http://www.geeksforgeeks.org/the-stock-span-problem/

Stack with middle element in O(1)
Middle element in 0(1) time - implement stack as a dll
Minimum element in 0(1) time - use a second stack to keep track of min
http://www.geeksforgeeks.org/design-a-stack-with-find-middle-operation/

Create mergeable stack
Implement stack as a linked list
1. Use two pointers for every list
2. Use a circular linked list with a pointer to the last node
   So top of stack is next of the last node.
http://quiz.geeksforgeeks.org/create-mergable-stack/

Implement k stacks in a single array
http://www.geeksforgeeks.org/efficiently-implement-k-stacks-single-array/

Longest valid substring
http://www.geeksforgeeks.org/length-of-the-longest-valid-substring/

Minimum number of bracket reversals to make the string balanced
After removing the balanced brackets
ceil(#open brackets/2) + ceil(#closed brackets/2)
http://www.geeksforgeeks.org/minimum-number-of-bracket-reversals-needed-to-make-an-expression-balanced/

QUALITY PROBLEMS

Largest area in a histogram
https://leetcode.com/problems/largest-rectangle-in-histogram/

getMin() and getMax() in O(1)
http://www.geeksforgeeks.org/design-a-stack-that-supports-getmin-in-o1-time-and-o1-extra-space/

(Really nice trick!)
http://www.geeksforgeeks.org/check-if-a-given-array-can-represent-preorder-traversal-of-binary-search-tree/

Max of min of every window
http://www.geeksforgeeks.org/find-the-maximum-of-minimums-for-every-window-size-in-a-given-array/

Remove duplicate letters
https://leetcode.com/problems/remove-duplicate-letters/