Arrays(Rotations):

* <https://www.geeksforgeeks.org/check-if-an-array-is-sorted-and-rotated/> (Medium)
* <https://www.geeksforgeeks.org/elements-that-occurred-only-once-in-the-array/> (Easy)
* <https://www.geeksforgeeks.org/split-array-add-first-part-end/> (Very Easy)
* <https://www.geeksforgeeks.org/split-the-array-and-add-the-first-part-to-the-end-set-2/> (Easy)
* <https://www.geeksforgeeks.org/check-if-it-is-possible-to-sort-the-array-after-rotating-it/> (Easy)
* <https://www.geeksforgeeks.org/reversal-algorithm-right-rotation-array/> (Very Easy)
* <https://www.geeksforgeeks.org/find-a-rotation-with-maximum-hamming-distance/> (Easy)
* <https://www.geeksforgeeks.org/search-an-element-in-a-sorted-and-pivoted-array/> (Medium) (Important)
* <https://www.geeksforgeeks.org/sort-rotated-sorted-array/> (Easy)
* <https://www.geeksforgeeks.org/find-element-given-index-number-rotations/> (Medium)
* <https://www.geeksforgeeks.org/quickly-find-multiple-left-rotations-of-an-array/> (Easy)
* <https://www.geeksforgeeks.org/print-left-rotation-array/> (Very Easy)

Linked List:

* <https://www.geeksforgeeks.org/rotate-the-sub-list-of-a-linked-list-from-position-m-to-n-to-the-right-by-k-places/> (Medium)
* <https://www.geeksforgeeks.org/rotate-doubly-linked-list-n-nodes/> (Very Easy)
* <https://www.geeksforgeeks.org/count-rotations-sorted-rotated-linked-list/> (Very Easy)
* <https://www.geeksforgeeks.org/rotate-linked-list-block-wise/> (Easy)
* <https://www.geeksforgeeks.org/write-a-function-to-get-nth-node-in-a-linked-list/> (Very Easy)
* <https://www.geeksforgeeks.org/nth-node-from-the-end-of-a-linked-list/> (Very Easy)
* <https://www.geeksforgeeks.org/write-a-c-function-to-print-the-middle-of-the-linked-list/> (Very Easy)
* <https://www.geeksforgeeks.org/write-a-function-that-counts-the-number-of-times-a-given-int-occurs-in-a-linked-list/> (Very Easy)
* <https://www.geeksforgeeks.org/detect-loop-in-a-linked-list/> (Easy) (Please check out the mathematical proof also because interesting)
* <https://www.geeksforgeeks.org/find-length-of-loop-in-linked-list/> (Easy)

Mathematics:

* <https://www.geeksforgeeks.org/generating-numbers-that-are-divisor-of-their-right-rotations/> (Hard)
* <https://www.geeksforgeeks.org/count-rotations-of-n-which-are-odd-and-even/> (Easy)
* <https://www.geeksforgeeks.org/generate-all-rotations-of-a-number/> (Easy)
* <https://www.geeksforgeeks.org/check-whether-all-the-rotations-of-a-given-number-is-greater-than-or-equal-to-the-given-number-or-not/> (Easy)
* <https://www.geeksforgeeks.org/count-rotations-divisible-8/> (Easy)
* <https://www.geeksforgeeks.org/program-to-find-lcm-of-two-numbers/> (Very Easy)
* <https://www.geeksforgeeks.org/lcm-of-given-array-elements/> (Easy)
* <https://www.geeksforgeeks.org/gcd-two-array-numbers/> (Very Easy)
* <https://www.geeksforgeeks.org/euclidean-algorithms-basic-and-extended/> (Medium)
* <https://www.geeksforgeeks.org/product-given-n-fractions-reduced-form/> (Easy)

Queues:

* <https://www.geeksforgeeks.org/lru-cache-implementation/> (Medium)
* <https://www.geeksforgeeks.org/queue-set-2-linked-list-implementation/> (Very Easy)
* <https://www.geeksforgeeks.org/efficiently-implement-k-queues-single-array/> (Hard)
* <https://www.geeksforgeeks.org/implementation-deque-using-circular-array/> (Easy)
* <https://www.geeksforgeeks.org/circular-queue-set-2-circular-linked-list-implementation/> (Very Easy)
* <https://www.geeksforgeeks.org/implement-stack-queue-using-deque/> (Easy)
* <https://www.geeksforgeeks.org/priority-queue-using-linked-list/> (Easy)
* <https://www.geeksforgeeks.org/priority-queue-using-doubly-linked-list/> (Very Easy)
* <https://www.geeksforgeeks.org/implementation-deque-using-doubly-linked-list/> (Very Easy)
* <https://www.geeksforgeeks.org/check-queue-can-sorted-another-queue-using-stack/> (Easy)

Stacks:

* <https://www.geeksforgeeks.org/queue-using-stacks/> (Easy)
* <https://www.geeksforgeeks.org/design-and-implement-special-stack-data-structure/> (Easy)
* <https://www.geeksforgeeks.org/implement-two-stacks-in-an-array/> (Very Easy)
* <https://www.geeksforgeeks.org/efficiently-implement-k-stacks-single-array/> (Hard)
* <https://www.geeksforgeeks.org/implement-stack-using-queue/> (Easy)
* <https://www.geeksforgeeks.org/design-a-stack-with-find-middle-operation/> (Medium)
* <https://www.geeksforgeeks.org/create-mergable-stack/> (Easy) (Implementation is not available in link so you have to create your own)
* <https://www.geeksforgeeks.org/implement-a-stack-using-single-queue/> (Easy)
* <https://www.geeksforgeeks.org/design-a-stack-that-supports-getmin-in-o1-time-and-o1-extra-space/> (Hard) (Very Important)
* <https://www.geeksforgeeks.org/implement-stack-using-priority-queue-or-heap/> (Medium)

Matrix:

* <https://www.geeksforgeeks.org/rotate-a-matrix-by-90-degree-in-clockwise-direction-without-using-any-extra-space/> (Medium)
* <https://www.geeksforgeeks.org/rotate-matrix-right-k-times/> (Easy)
* <https://www.geeksforgeeks.org/rotate-matrix-180-degree/> (Easy)
* <https://www.geeksforgeeks.org/rotate-matrix-elements/> (Medium)
* <https://www.geeksforgeeks.org/rotate-matrix-90-degree-without-using-extra-space-set-2/> (Easy)
* <https://www.geeksforgeeks.org/turn-an-image-by-90-degree/> (Easy)
* <https://www.geeksforgeeks.org/check-rows-matrix-circular-rotations/> (Medium)
* <https://www.geeksforgeeks.org/inplace-rotate-square-matrix-by-90-degrees/> (Medium)
* <https://www.geeksforgeeks.org/rotate-ring-matrix-anticlockwise-k-elements/> (Hard)
* <https://www.geeksforgeeks.org/sort-given-matrix/> (Easy)

Strings:

* <https://www.geeksforgeeks.org/maximum-contiguous-1-possible-in-a-binary-string-after-k-rotations/> (Medium)
* <https://www.geeksforgeeks.org/a-program-to-check-if-strings-are-rotations-of-each-other/> (Very Easy)
* <https://www.geeksforgeeks.org/check-strings-rotations-not-set-2/> (Medium)
* <https://www.geeksforgeeks.org/generating-lyndon-words-of-length-n/> (Easy)
* <https://www.geeksforgeeks.org/minimum-move-end-operations-make-strings-equal/> (Easy)
* <https://www.geeksforgeeks.org/function-copy-string-iterative-recursive/> (Very Easy)
* <https://www.geeksforgeeks.org/pangram-checking/> (Very Easy)
* <https://www.geeksforgeeks.org/missing-characters-make-string-pangram/> (Very Easy)
* <https://www.geeksforgeeks.org/check-string-pangrammatic-lipogram/> (Very Easy)
* <https://www.geeksforgeeks.org/removing-punctuations-given-string/> (Very Easy)

Similar Questions Asked in Interviews (No need to solve now just for reference. Just check the question for revision strictly don’t attempt. Don’t check the question which we haven’t touched):

* <https://www.geeksforgeeks.org/amazon-interview-experience/>

Total:

Very Easy: 22

Easy: 30

Medium: 14

Hard: 5

Preferred Language: C++, Java and Python

Week 1: 20/April/2019 to 27/April/2019