**TCS NQT Prep Sheet**

-Targeted Questions to Boost Your Score

Number System

* <https://www.geeksforgeeks.org/sum-fibonacci-numbers/>
* <https://www.geeksforgeeks.org/program-find-sum-elements-given-array/>
* <https://www.geeksforgeeks.org/problems/armstrong-numbers2727/1>
* <https://www.geeksforgeeks.org/problems/palindrome0746/1>
* <https://www.geeksforgeeks.org/check-large-number-divisible-9-not/>
* <https://www.geeksforgeeks.org/problems/leap-year0943/1?itm_source=geeksforgeeks&itm_medium=article&itm_campaign=practice_card>
* <https://www.geeksforgeeks.org/problems/floating-point-number-even-or-odd0146/1?itm_source=geeksforgeeks&itm_medium=article&itm_campaign=practice_card>
* <https://www.geeksforgeeks.org/problems/area-of-intersection-of-two-circles0653/1?itm_source=geeksforgeeks&itm_medium=article&itm_campaign=practice_card>
* <https://www.geeksforgeeks.org/problems/odd-or-even3618/1>
* <https://www.geeksforgeeks.org/perfect-number/>
* <https://leetcode.com/problems/maximum-product-of-three-numbers/description/>
* <https://leetcode.com/problems/power-of-two/description/>
* <https://leetcode.com/problems/powx-n/description/>
* <https://www.geeksforgeeks.org/problems/swap-two-numbers3844/1>
* <https://leetcode.com/problems/climbing-stairs/description/>
* <https://www.geeksforgeeks.org/find-all-factors-of-a-natural-number-in-sorted-order/>
* <https://leetcode.com/problems/convert-a-number-to-hexadecimal/description/>
* <https://leetcode.com/problems/happy-number/description/>

**Array and String**

* <https://www.geeksforgeeks.org/program-find-sum-elements-given-array/>
* <https://leetcode.com/problems/remove-duplicates-from-sorted-array/description/>
* <https://leetcode.com/problems/subarray-sum-equals-k/description/>
* <https://www.geeksforgeeks.org/problems/count-all-possible-paths-from-top-left-to-bottom-right3011/1>
* <https://www.geeksforgeeks.org/find-second-largest-element-array/>
* <https://www.geeksforgeeks.org/problems/majority-element-1587115620/1>
* <https://www.geeksforgeeks.org/problems/sort-an-array-of-0s-1s-and-2s4231/1>
* <https://leetcode.com/problems/number-of-good-pairs/description/>
* <https://leetcode.com/problems/rotate-array/description/>
* <https://leetcode.com/problems/single-number/description/>
* <https://www.geeksforgeeks.org/sliding-window-maximum-maximum-of-all-subarrays-of-size-k/>
* <https://leetcode.com/problems/sliding-window-maximum/description/>
* <https://www.geeksforgeeks.org/program-for-mean-and-median-of-an-unsorted-array/>
* <https://leetcode.com/problems/next-greater-element-i/description/>
* <https://www.geeksforgeeks.org/problems/union-of-two-sorted-arrays-1587115621/1>
* <https://leetcode.com/problems/pascals-triangle/description/>
* <https://leetcode.com/problems/set-matrix-zeroes/description/>
* <https://leetcode.com/problems/rotate-image/description/>
* <https://leetcode.com/problems/spiral-matrix/description/>
* <https://leetcode.com/problems/best-time-to-buy-and-sell-stock/description/>
* <https://leetcode.com/problems/two-sum/description/>
* <https://www.geeksforgeeks.org/problems/find-an-replace-in-string/1>
* <https://www.geeksforgeeks.org/remove-characters-from-the-first-string-which-are-present-in-the-second-string/>
* <https://leetcode.com/problems/find-common-characters/description/>
* <https://www.geeksforgeeks.org/reverse-a-string-in-java/>
* <https://leetcode.com/problems/reverse-words-in-a-string/>
* <https://www.geeksforgeeks.org/print-characters-frequencies-order-occurrence/>
* <https://leetcode.com/problems/largest-odd-number-in-string/>
* <https://leetcode.com/problems/longest-common-prefix/>
* <https://leetcode.com/problems/count-binary-substrings/description/>
* <https://leetcode.com/problems/rotate-string/description/>
* <https://leetcode.com/problems/valid-anagram/description/>
* <https://leetcode.com/problems/excel-sheet-column-number/description/>
* <https://leetcode.com/problems/count-unique-characters-of-all-substrings-of-a-given-string/description/>
* <https://www.geeksforgeeks.org/c-program-check-given-string-palindrome/>
* <https://www.geeksforgeeks.org/problems/implement-strstr/1>
* <https://leetcode.com/problems/sort-characters-by-frequency/description/>
* <https://leetcode.com/problems/roman-to-integer/description/>
* <https://www.geeksforgeeks.org/problems/count-number-of-substrings4528/1>

Sorting

* <https://www.geeksforgeeks.org/problems/selection-sort/1>
* <https://www.geeksforgeeks.org/problems/bubble-sort/1>
* <https://www.geeksforgeeks.org/problems/insertion-sort/1>
* <https://www.geeksforgeeks.org/problems/merge-sort/1>
* <https://www.geeksforgeeks.org/problems/quick-sort/1>

Searching

* <https://www.geeksforgeeks.org/linear-search/>
* <https://leetcode.com/problems/binary-search/description/>
* <https://www.geeksforgeeks.org/problems/floor-in-a-sorted-array-1587115620/1?itm_source=geeksforgeeks&itm_medium=article&itm_campaign=practice_card>
* <https://www.geeksforgeeks.org/problems/ceil-the-floor2802/0>
* <https://leetcode.com/problems/search-insert-position/description/>
* <https://leetcode.com/problems/koko-eating-bananas/description/>
* <https://leetcode.com/problems/search-in-rotated-sorted-array/description/>
* <https://leetcode.com/problems/search-in-rotated-sorted-array-ii/description/>
* <https://leetcode.com/problems/find-minimum-in-rotated-sorted-array/description/>
* <https://leetcode.com/problems/find-peak-element/description/>

Extra Topics

* <https://www.geeksforgeeks.org/problems/search-in-linked-list-1664434326/1?itm_source=geeksforgeeks&itm_medium=article&itm_campaign=practice_card>
* <https://www.geeksforgeeks.org/problems/count-nodes-of-linked-list/1>
* <https://leetcode.com/problems/delete-node-in-a-linked-list/description/>
* <https://leetcode.com/problems/reverse-linked-list/>
* <https://leetcode.com/problems/linked-list-cycle/>
* <https://leetcode.com/problems/valid-parentheses/description/>
* <https://leetcode.com/problems/min-stack/description/>