Course Link : http://bit.ly/dsalevelup Instructor : Prateek Narang
Coding Minutes IDE : http://ide.codingminutes.com

Practice Problems on Other Platforms

(Note : All course problems are not available outside)

Section 2 : Array and Vectors
(i) Pair Sum ->
https://leetcode.com/problems/two-sum/

(ii) Triplets ->
https://leetcode.com/problems/3sum/

(iii) Mountain ->
https://leetcode.com/problems/longest-mountain-in-array/

(iv) Longest Band->
https://leetcode.com/problems/longest-consecutive-sequence/

(v) Rains ->
 https://leetcode.com/problems/trapping-rain-water/

(vi) Subarray sort->
https://leetcode.com/problems/shortest-unsorted-continuous-subarray/

(vii) Min Swaps ->
https://practice.geeksforgeeks.org/problems/minimum-swaps/1

(viii) Max Subarray->
https://leetcode.com/problems/maximum-subarray/

(ix) Activity Selection Problem ->
 https://leetcode.com/problems/minimum-number-of-arrows-to-burst-balloons/

(X) Product Array ->
 https://leetcode.com/problems/product-of-array-except-self/

Section 3 : String Problems

(i) String Key Sort ->
https://leetcode.com/problems/largest-number/

(ii) Check Subsets ->
 https://leetcode.com/problems/is-subsequence/

(iii) Sort Subsequences ->
 https://leetcode.com/problems/subsets/

(iv) Run Length Encoding ->
https://leetcode.com/problems/string-compression/

(v) Palindrome Break ->
 https://leetcode.com/problems/break-a-palindrome/

(vi) String Normalisation->
 https://leetcode.com/problems/detect-capital/

Section 4 : Sliding Window:

(i) Unique Substring->
https://leetcode.com/problems/longest-substring-without-repeating-characters/

(ii) String Window ->
 https://leetcode.com/problems/minimum-window-substring/

(iii) Sliding Window Max ->
https://leetcode.com/problems/sliding-window-maximum/

(iv) Count subarrays with Target sum ->
 https://leetcode.com/problems/subarray-sum-equals-k/

Section 5 : Sorting and Searching:

(i)   Merge Sort->

https://leetcode.com/problems/sort-an-array/

(ii)   Quick Sort ->

https://leetcode.com/problems/sort-an-array/

(iii)   Quick Select ->

https://leetcode.com/problems/kth-largest-element-in-an-array/

(iv)   Count Inversion ->

https://practice.geeksforgeeks.org/problems/inversion-of-array-1587115620/1

(v)   Smallest String ->

https://leetcode.com/problems/lexicographically-smallest-string-after-applying-operations/

(vi)   Staircase search ->

https://leetcode.com/problems/search-a-2d-matrix/

(vii)   ICPC Standings ->

https://www.spoj.com/problems/BAISED/

(viii) Juggling Balls ->

https://leetcode.com/problems/sort-colors/

(ix)   Sorting subarray ->

https://leetcode.com/problems/shortest-unsorted-continuous-subarray/

Section 6 : Binary Search:

(i)Search in Rotated sorted array-> https://leetcode.com/problems/search-in-rotated-sorted-array/

 (ii)Square root ->
https://leetcode.com/problems/sqrtx/

(iii) Angry Birds->
 https://leetcode.com/problems/magnetic-force-between-two-balls/

Section 7 : Recursion:

Permutations(similar)
https://leetcode.com/problems/permutations/

Sudoku
https://leetcode.com/problems/sudoku-solver/

Modulo Exponentiation /Power
https://leetcode.com/problems/powx-n/

N-Queens
https://leetcode.com/problems/n-queens/

Game of coins/ Predict the winner
https://leetcode.com/problems/predict-the-winner/

Rat in a maze
https://practice.geeksforgeeks.org/problems/rat-in-a-maze-problem/1

Longest Path
https://practice.geeksforgeeks.org/problems/longest-path-in-a-matrix3019/1

Section 8 : Linked list

Create/design
https://leetcode.com/problems/design-linked-list/

Middle Element
https://leetcode.com/problems/middle-of-the-linked-list/

Kth last element
https://leetcode.com/problems/remove-nth-node-from-end-of-list/

Detect cycle in Linked list
https://leetcode.com/problems/linked-list-cycle/

Section 9 : Stacks and Queue

First non repeating character
https://practice.geeksforgeeks.org/problems/first-non-repeating-character-in-a-stream1216/1

Simplify Path
 https://leetcode.com/problems/simplify-path/

Stock Span
https://leetcode.com/problems/online-stock-span/

Section 10 : Binary Trees:

Nodes at distance k (similar)
https://leetcode.com/problems/all-nodes-distance-k-in-binary-tree/

Left View
https://practice.geeksforgeeks.org/problems/left-view-of-binary-tree/1

Siblings Swap/flip
https://leetcode.com/problems/flip-equivalent-binary-trees/

Section 11 : BST

Search element
https://practice.geeksforgeeks.org/problems/search-a-node-in-bst/1

Is BST
https://leetcode.com/problems/validate-binary-search-tree/

Lowest common ancestor
https://practice.geeksforgeeks.org/problems/lowest-common-ancestor-in-a-bst/1

Section 12 Priority Queue

Running Median
https://leetcode.com/problems/find-median-from-data-stream/

Merge k sorted arrays
https://leetcode.com/problems/merge-k-sorted-lists/

Section 13 : Hashing

Minimum Bars : (similar ques)
https://leetcode.com/problems/word-break-ii/

Group Anagrams :
https://leetcode.com/problems/group-anagrams/

Longest K sum subarray :
https://leetcode.com/problems/subarray-sum-equals-k/

Section 14 : Tries :
https://leetcode.com/problems/maximum-xor-of-two-numbers-in-an-array/

Section 15 : Graphs

Snake and ladder game :
https://leetcode.com/problems/snakes-and-ladders/

Largest island :
https://leetcode.com/problems/max-area-of-island/

Astronaut Pairs :
https://www.hackerrank.com/challenges/journey-to-the-moon/problem

Section 16 : 1D DP

Frog jump :
https://leetcode.com/problems/jump-game-ii/

Section 17 : 2D DP

Coin change 2 :
https://leetcode.com/problems/coin-change-2/

Mixtures Spoj :
https://www.spoj.com/problems/MIXTURES/

 Edit Distance :
https://leetcode.com/problems/edit-distance/

Wildcard Pattern :
https://leetcode.com/problems/wildcard-matching/

Palindrom Partitioning :
https://leetcode.com/problems/palindrome-partitioning-ii