

AMAZON SDE REVISION SHEET

(by RIDDHI DUTTA)

Tags to use for prizes : #riddhiduttaamazonsdesheet, #riddhiduttasdesheet.

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Day 1

1. <https://leetcode.com/problems/third-maximum-number/>
2. <https://leetcode.com/problems/product-of-array-except-self/>
3. <https://www.geeksforgeeks.org/find-duplicates-in-on-time-and-constant-extra-space/>
4. <https://leetcode.com/problems/longest-substring-without-repeating-characters/>

Day 2

5. <https://leetcode.com/problems/two-sum/>
6. <https://leetcode.com/problems/two-sum-ii-input-array-is-sorted/>
7. <https://leetcode.com/problems/container-with-most-water/> (VVI)
8. <https://leetcode.com/problems/trapping-rain-water/> (Two Pointer Solution)

Day 3

9. <https://leetcode.com/problems/3sum/>
10. <https://leetcode.com/problems/get-the-maximum-score/>
11. <https://leetcode.com/problems/missing-number/> (VVI)

Day 4

12. <https://leetcode.com/problems/first-missing-positive/> (VVVI)
13. <https://leetcode.com/problems/maximum-product-subarray/>
14. <https://leetcode.com/problems/generate-parentheses/>

Day 5

15. <https://leetcode.com/problems/merge-two-sorted-lists/>
16. <https://leetcode.com/problems/reverse-nodes-in-k-group/> (VVVI)
17. <https://leetcode.com/problems/copy-list-with-random-pointer/> (VVVI)
18. <https://leetcode.com/problems/merge-k-sorted-lists/> (VVVI)
19. <https://leetcode.com/problems/reorder-list/>

Day 6

20. <https://leetcode.com/problems/subarray-sum-equals-k/>
21. <https://leetcode.com/problems/maximum-sum-circular-subarray/>
22. <https://leetcode.com/problems/majority-element/> (VVI)
23. <https://leetcode.com/problems/majority-element-ii/>

Day 7

24. <https://leetcode.com/problems/find-peak-element/> (VVI)
25. <https://leetcode.com/problems/find-minimum-in-rotated-sorted-array/> (VVI)
26. <https://leetcode.com/problems/search-in-rotated-sorted-array/> (VVI)

Day 8

27. <https://www.geeksforgeeks.org/minimum-number-platforms-required-railwaybus-station/> (VVI)
28. <https://www.geeksforgeeks.org/counting-inversions/> (VVI)
29. <https://leetcode.com/problems/first-unique-character-in-a-string/>
30. <https://www.geeksforgeeks.org/largest-subarray-with-equal-number-of-0s-and-1s/>

Day 9

31. [Graph Problems - 1](#) (Go through the problems discussed here)
32. [Graph Problems - 2](#) (Go through all the problems here VVVVVI)

Day 10

33. [Graph Problems - 3](#) (Go through all the problems here VVVVVI)

Day 11

34. [Graph Problems - 4](#) (VVVI)

Day 12

35. [Number of Operations to make network connected](#)
36. [Making a Large Island](#) (VVVVI)
37. [Number of Islands - 2](#) (VVVI)

Day 13

38. <https://leetcode.com/problems/k-closest-points-to-origin/> (See the Quick Sort one.)
39. <https://leetcode.com/problems/kth-largest-element-in-an-array/>
40. <https://www.geeksforgeeks.org/search-in-row-wise-and-column-wise-sorted-matrix/>
41. <https://leetcode.com/problems/search-a-2d-matrix-ii/> (VVI)

Day 14

42. <https://leetcode.com/problems/validate-ip-address/>
43. <https://leetcode.com/problems/implement-strstr/>
44. <https://leetcode.com/problems/integer-to-english-words/>

Day 15

45. <https://leetcode.com/problems/delete-the-middle-node-of-a-linked-list/>
46. <https://www.geeksforgeeks.org/detect-loop-in-a-linked-list/>
47. <https://www.interviewbit.com/blog/remove-loop-in-linked-list/>
48. <https://leetcode.com/problems/intersection-of-two-linked-lists/> (VVI)

Day 16

49. <https://www.interviewbit.com/problems/swap-list-nodes-in-pairs/>
50. <https://leetcode.com/problems/palindrome-linked-list/> (VVI)
51. <https://www.geeksforgeeks.org/implement-stack-using-queue/>
52. <https://leetcode.com/problems/merge-intervals/> (VVI)

Day 17

53. <https://leetcode.com/problems/min-stack/> (VVI)
54. <https://leetcode.com/problems/maximal-rectangle/>
55. <https://leetcode.com/problems/insert-delete-getrandom-o1/> (VVI)

Day 18 (Tries - Day , Important Day)

- 56. <https://leetcode.com/problems/word-search/> (VVI)
- 57. <https://leetcode.com/problems/design-search-autocomplete-system/> (VVI)
- 58. <https://leetcode.com/problems/top-k-frequent-words/> (VVI)

Day 19

- 59. <https://leetcode.com/problems/letter-combinations-of-a-phone-number/>
- 60. <https://leetcode.com/problems/meeting-rooms-ii/>
- 61. <https://leetcode.com/problems/sliding-window-maximum/> (VVI)

Day 20

- 62. <https://leetcode.com/problems/best-time-to-buy-and-sell-stock/>
- 63. <https://leetcode.com/problems/best-time-to-buy-and-sell-stock-ii/>
- 64. <https://leetcode.com/problems/longest-palindromic-substring/> (VVI)
- 65. <https://www.geeksforgeeks.org/minimum-number-of-jumps-to-reach-end-of-a-given-array/> (VVI)

Day 21

- 66. <https://leetcode.com/problems/lru-cache/> (VVI)
- 67. <https://leetcode.com/problems/time-based-key-value-store/> (VVI)
- 68. <https://leetcode.com/problems/next-greater-element-ii/>

Day 22

- 69. <https://leetcode.com/problems/find-median-from-data-stream/> (VVI)
- 70. <https://www.youtube.com/watch?v=ytLvO2N968Y&list=PL4WwUkr0wZURF9cR2UreFQDmIDON2zwQR&index=5> (VVI)
- 71. <https://www.youtube.com/watch?v=v5Q8zrcCHSw> (IMP)

Day 23

- 72. <https://leetcode.com/problems/validate-binary-search-tree/>
- 73. <https://leetcode.com/problems/diameter-of-binary-tree/>
- 74. <https://leetcode.com/problems/binary-tree-zigzag-level-order-traversal/> (VVI)
- 75. <https://leetcode.com/problems/binary-tree-maximum-path-sum/> (VVI)

Day 24

- 76. <https://leetcode.com/problems/set-matrix-zeroes/> (VVI)

77. <https://leetcode.com/problems/next-permutation/>
78. <https://leetcode.com/problems/capacity-to-ship-packages-within-d-days/>

Day 25

79. <https://leetcode.com/problems/largest-rectangle-in-histogram/>
80. <https://leetcode.com/problems/combination-sum/>
81. <https://www.interviewbit.com/problems/distinct-numbers-in-window/>

Day 26

82. <https://leetcode.com/problems/lowest-common-ancestor-of-a-binary-tree/>
83. <https://www.geeksforgeeks.org/print-bst-keys-in-the-given-range/>
84. <https://leetcode.com/problems/kth-smallest-element-in-a-bst/> (VVI)
85. <https://leetcode.com/problems/two-sum-iv-input-is-a-bst/> (VVI)
86. <https://www.geeksforgeeks.org/fix-two-swapped-nodes-of-bst/>
87. <https://leetcode.com/problems/flatten-binary-tree-to-linked-list/>

Day 27

88. <https://leetcode.com/problems/serialize-and-deserialize-bst/>
89. <https://www.geeksforgeeks.org/burn-the-binary-tree-starting-from-the-target-node/> (VVVI)
90. <https://leetcode.com/problems/all-nodes-distance-k-in-binary-tree/> (VVVI)

Day 28

91. <https://leetcode.com/problems/course-schedule/> (VVVVVVVI)
92. <https://leetcode.com/problems/course-schedule-ii/> (VVVVVI)
93. <https://leetcode.com/problems/clone-graph/>
94. <https://leetcode.com/problems/verifying-an-alien-dictionary/>

Day 29

95. <https://leetcode.com/problems/vertical-order-traversal-of-a-binary-tree/> (VVI)
96. <https://www.geeksforgeeks.org/print-left-view-binary-tree/>
97. <https://practice.geeksforgeeks.org/problems/right-view-of-binary-tree/1>
98. <https://practice.geeksforgeeks.org/problems/top-view-of-binary-tree/1>
99. <https://www.geeksforgeeks.org/bottom-view-binary-tree/>
100. <https://leetcode.com/problems/populating-next-right-pointers-in-each-node/>

Day 30

101. <https://leetcode.com/problems/gas-station/>

102. <https://leetcode.com/problems/median-of-two-sorted-arrays/> (Little tricky question , take some time to understand. Might not get asked , but it's important to know.)
103. [Longest Consecutive Sequence](#)

Bonus Resources

1. [My Topic Wise SDE Sheets](#)
2. [Graphs Series from scratch , with all Important Topics Explained with Problems](#)
3. [Low Level Design and Design Patterns Playlist](#)