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 VVVVVVI)**

Day 10

33. **Graph Problems - 3** **(Go through all the problems here VVVVVVI)**

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/ **(VVVVVVVVI)**
92. https://leetcode.com/problems/course-schedule-ii/ **(VVVVVVI)**
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