***Week – 5 (26.04.2021 – 02.05.2021)***

***Topics Completed:***

1. Stacks & Queues
2. Binary Search
3. Heap

***Solved Problems based on Weekly Task:***

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| S.No. | Problem Name | Problem Number | Platform |
| 1. | Replace Elements with Greatest Element on Right Side | 1299 | Leetcode |
| 2. | Reverse Substrings Between Each Pair of Parentheses | 1190 | Leetcode |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |

***15 Solved Random Problems:***

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| --- | --- | --- | --- |
| S.No. | Problem Name | Problem Number | Platform |
| 1. | Add Strings | 415 | Leetcode |
| 2. | Add to Array-Form of Integer | 989 | Leetcode |
| 3. | First Unique Character in a String | 387 | Leetcode |
| 4. | Sum of Square Numbers | 633 | Leetcode |
| 5. | Valid Square | 593 | Leetcode |
| 6. | Number of Segments in a String | 434 | Leetcode |
| 7. | Count Numbers with Unique Digits | 357 | Leetcode |
| 8. | Nth Digit | 400 | Leetcode |
| 9. | Integer Replacement | 397 | Leetcode |
| 10. | The kth Factor of n | 1492 | Leetcode |
| 11. | Largest Perimeter Triangle | 976 | Leetcode |
| 12. | Largest Triangle Area | 812 | Leetcode |
| 13. | Valid Boomerang | 1037 | Leetcode |
| 14. | Angle Between Hands of a Clock | 1344 | Leetcode |
| 15. | Sign of the Product of an Array | 1822 | Leetcode |

***Problems in PDF:***

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| --- | --- | --- | --- |
| S.No. | Problem Name | Problem Number | Platform |
| 1. | Valid Parentheses | 20 | Leetcode |
| 2. | Daily Temperatures (Next Greater Element) | 739 | Leetcode |
| 3. | Sliding Window Maximum | 239 | Leetcode |
| 4. | Implement Stack using Queues | 225 | Leetcode |
| 5. | Implement Queue using Stacks | 232 | Leetcode |
| 6. | Online Stock Span | 901 | Leetcode |
| 7. | LRU Cache | 146 | Leetcode |
| 8. | Largest Rectangle in Histogram | 84 | Leetcode |
| 9. | Binary Search | 704 | Leetcode |
| 10. | Search in Rotated Sorted Array | 33 | Leetcode |
| 11. | Median of Two Sorted Arrays | 4 | Leetcode |
| 12. | Merge Sorted Array | 88 | Leetcode |
| 13. | Majority Element | 169 | Leetcode |
| 14. | Missing Number (Find a Fixed Point (Value equal to index) in a given array) | 268 | Leetcode |
| 15. | Basic Calculator II | 227 | Leetcode |
| 16. | Min Stack | 155 | Leetcode |
| 17. | Find Minimum in Rotated Sorted Array | 153 | Leetcode |
| 18. | Sort an Array | 912 | Leetcode |
| 19. | Longest Increasing Subsequence | 300 | Leetcode |
| 20. | Longest Mountain in Array | 845 | Leetcode |
| 21. | Shortest Unsorted Continuous Subarray | 581 | Leetcode |
| 22. | Merge K sorted arrays |  | InterviewBit |
| 23. | Find Median from Data Stream | 295 | Leetcode |
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***Problems Not Solve in First Try:***

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| --- | --- | --- | --- |
| S.No. | Problem Name | Problem Number | Platform |
| 1. | Sum of Square Numbers | 633 | Leetcode |
| 2. | Valid Square | 593 | Leetcode |
| 3. | Number of Segments in a String | 434 | Leetcode |
| 4. | Sliding Window Maximum | 239 | Leetcode |
| 5. | Implement Stack using Queues | 225 | Leetcode |
| 6. | Implement Queue using Stacks | 232 | Leetcode |
| 7. | Online Stock Span | 901 | Leetcode |
| 8. | LRU Cache | 146 | Leetcode |
| 9. | Largest Rectangle in Histogram | 84 | Leetcode |
| 10. | Search in Rotated Sorted Array | 33 | Leetcode |
| 11. | Median of Two Sorted Arrays | 4 | Leetcode |
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| 18. | Shortest Unsorted Continuous Subarray | 581 | Leetcode |
| 19. | Merge K sorted arrays |  | InterviewBit |
| 20. | Find Median from Data Stream | 295 | Leetcode |
| 21. | Largest Triangle Area | 812 | Leetcode |
| 22. | Valid Boomerang | 1037 | Leetcode |
| 23. | Angle Between Hands of a Clock | 1344 | Leetcode |
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***Leetcode Contest 51:***

Rank - 4656/9378

Mark – 8/18

Link - <https://leetcode.com/contest/biweekly-contest-51>