***Week – 7 (******31.05.2021 – 05.06.2021)***

***Topics Completed:***

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

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| S.No. | Problem Name | Problem Number | Platform |
| 1. | Add Two Numbers | 2 | Leetcode |
| 2. | K-th Symbol in Grammar | 779 | Leetcode |
| 3. | N-th Tribonacci Number | 1137 | Leetcode |
| 4. | Check if Number is a Sum of Powers of Three | 1780 | Leetcode |
| 5. | Sum of Digits in Base K | 1837 | Leetcode |
| 6. |  |  |  |
| 7. |  |  | Leetcode |
| 8. |  |  | Leetcode |
| 9. |  |  | Leetcode |
| 10. |  |  | Leetcode |
| 11. |  |  | Leetcode |
| 12. |  |  | Leetcode |
| 13. |  |  | Leetcode |
| 14. |  |  | Leetcode |
| 15. |  |  | Leetcode |
| 16. |  |  | Leetcode |
| 17. |  |  | Leetcode |
| 18. |  |  | Leetcode |
| 19. |  |  | Leetcode |
| 20. |  |  | Leetcode |
| 21. |  |  | Leetcode |
| 22. |  |  | Leetcode |
| 23. |  |  | Leetcode |
| 24. |  |  | Leetcode |
| 25. |  |  | Leetcode |
| 26. |  |  | Leetcode |
| 27. |  |  | Leetcode |
| 28. |  |  | Leetcode |
| 29. |  |  | Leetcode |
| 30. |  |  | Leetcode |

***15 Solved Random Problems:***

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| S.No. | Problem Name | Problem Number | Platform |
| 1. | Maximum Gap | 164 | Leetcode |
| 2. | Top K Frequent Elements | 347 | Leetcode |
| 3. | Sort Characters By Frequency | 451 | Leetcode |
| 4. | Sort Array by Increasing Frequency | 1636 | Leetcode |
| 5. | Top K Frequent Words | 692 | Leetcode |
| 6. | K-th Smallest Prime Fraction | 786 | Leetcode |
| 7. | Wiggle Sort II | 324 | Leetcode |
| 8. | Filter Restaurants by Vegan-Friendly, Price and Distance | 1333 | Leetcode |
| 9. | Rank Teams by Votes | 1366 | Leetcode |
| 10. |  |  | Leetcode |
| 11. |  |  | Leetcode |
| 12. |  |  | Leetcode |
| 13. |  |  | Leetcode |
| 14. |  |  | Leetcode |
| 15. |  |  | Leetcode |

***Problems in PDF:***

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| S.No. | Problem Name | Problem Number | Platform |
| 1. | Binary Tree Inorder Traversal | 94 | Leetcode |
| 2. | Maximum Depth of Binary Tree | 104 | Leetcode |
| 3. | Binary Tree Preorder Traversal | 144 | Leetcode |
| 4. | Binary Tree Postorder Traversal | 145 | Leetcode |
| 5. | Diameter of Binary Tree | 543 | Leetcode |
| 6. | Same Tree | 100 | Leetcode |
| 7. | Binary Tree Level Order Traversal | 102 | Leetcode |
| 8. | Binary Tree Level Order Traversal II | 107 | Leetcode |
| 9. | Kth Smallest Element in a BST | 230 | Leetcode |
| 10. | Lowest Common Ancestor of a Binary Search Tree | 235 | Leetcode |
| 11. | Sorted Array To Balanced BST |  | InterviewBit |
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***Problems Not Solve in First Try:***

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| S.No. | Problem Name | Problem Number | Platform |
| 1. | Top K Frequent Elements | 347 | Leetcode |
| 2. | Sort Characters By Frequency | 451 | Leetcode |
| 3. | K-th Smallest Prime Fraction | 786 | Leetcode |
| 4. | N-th Tribonacci Number | 1137 | Leetcode |
| 5. | Rank Teams by Votes | 1366 | Leetcode |
| 6. | Diameter of Binary Tree | 543 | Leetcode |
| 7. | Same Tree | 100 | Leetcode |
| 8. | Binary Tree Level Order Traversal | 102 | Leetcode |
| 9. | Lowest Common Ancestor of a Binary Search Tree | 235 | Leetcode |
| 10. | Sorted Array To Balanced BST |  | InterviewBit |
| 11. |  |  | Leetcode |
| 12. |  |  | Leetcode |
| 13. |  |  | Leetcode |
| 14. |  |  | Leetcode |
| 15. |  |  | Leetcode |
| 16. |  |  | Leetcode |
| 17. |  |  | Leetcode |
| 18. |  |  | Leetcode |
| 19. |  |  | Leetcode |
| 20. |  |  | Leetcode |
| 21. |  |  | Leetcode |
| 22. |  |  | Leetcode |
| 23. |  |  | Leetcode |
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