***Week – 6 (24.05.2021 – 29.05.2021)***

***Topics Completed:***

1. Divide and Conquer
2. Greedy Algorithm

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

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| --- | --- | --- | --- |
| S.No. | Problem Name | Problem Number | Platform |
| 1. | Search a 2D Matrix II | 240 | Leetcode |
| 2. | Beautiful Array | 932 | Leetcode |
| 3. | Median of Two Sorted Arrays | 4 | Leetcode |
| 4. | Merge k Sorted Lists | 23 | Leetcode |
| 5. | Maximum Subarray | 53 | Leetcode |
| 6. | Majority Element | 169 | Leetcode |
| 7. | Kth Largest Element in an Array | 215 | Leetcode |
| 8. | Longest Substring with At Least K Repeating Characters | 395 | Leetcode |
| 9. | Jump Game II | 45 | Leetcode |
| 10. | Jump Game | 55 | Leetcode |
| 11. | Is Subsequence | 392 | Leetcode |
| 12. | Non-overlapping Intervals | 435 | Leetcode |
| 13. | Assign Cookies | 455 | Leetcode |
| 14. | Can Place Flowers | 605 | Leetcode |
| 15. | Minimum Subsequence in Non-Increasing Order | 1403 | Leetcode |
| 16. | Calculate Money in Leetcode Bank | 1716 | Leetcode |
| 17. | Minimum Operations to Make the Array Increasing | 1827 | Leetcode |
| 18. | Maximum Element After Decreasing and Rearranging | 1846 | Leetcode |
| 19. | Candy | 135 | Leetcode |
| 20. | Remove Duplicate Letters | 316 | Leetcode |
| 21. | Gas Station | 134 | Leetcode |
| 22. | Check If Array Pairs Are Divisible by k | 1497 | Leetcode |
| 23. | Divide Array in Sets of K Consecutive Numbers | 1296 | Leetcode |
| 24. | K Closest Points to Origin | 973 | Leetcode |
| 25. | Valid Permutations for DI Sequence | 903 | Leetcode |
| 26. | Burst Balloons | 312 | Leetcode |
| 27. | Count of Smaller Numbers After Self | 315 | Leetcode |
| 28. | Count of Range Sum | 327 | Leetcode |
| 29. | Expression Add Operators | 282 | Leetcode |
| 30. | Reverse Pairs | 493 | Leetcode |

***15 Solved Random Problems:***

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| --- | --- | --- | --- |
| S.No. | Problem Name | Problem Number | Platform |
| 1. | Add Binary | 67 | Leetcode |
| 2. | Evaluate Reverse Polish Notation | 150 | Leetcode |
| 3. | Ransom Note | 383 | Leetcode |
| 4. | Check If Word Is Valid After Substitutions | 1003 | Leetcode |
| 5. | Simplify Path | 71 | Leetcode |
| 6. | Remove Outermost Parentheses | 1021 | Leetcode |
| 7. | Make the String Great | 1544 | Leetcode |
| 8. | Baseball Game | 682 | Leetcode |
| 9. | Crawler Log Folder | 1598 | Leetcode |
| 10. | Backspace String Compare | 844 | Leetcode |
| 11. | Goat Latin | 824 | Leetcode |
| 12. | Unique Morse Code Words | 804 | Leetcode |
| 13. | Reach a Number | 754 | Leetcode |
| 14. | Robot Bounded In Circle | 1041 | Leetcode |
| 15. | Distribute Candies to People | 1103 | Leetcode |

***Problems in PDF:***

|  |  |  |  |
| --- | --- | --- | --- |
| S.No. | Problem Name | Problem Number | Platform |
| 1. | Pow(x, n) | 50 | Leetcode |
| 2. | Fibonacci Number | 509 | Leetcode |
| 3. |  |  | Leetcode |

***Problems Not Solve in First Try:***

|  |  |  |  |
| --- | --- | --- | --- |
| S.No. | Problem Name | Problem Number | Platform |
| 1. | Search a 2D Matrix II | 240 | Leetcode |
| 2. | Beautiful Array | 932 | Leetcode |
| 3. | Merge k Sorted Lists | 23 | Leetcode |
| 4. | Maximum Subarray | 53 | Leetcode |
| 5. | Majority Element | 169 | Leetcode |
| 6. | Kth Largest Element in an Array | 215 | Leetcode |
| 7. | Longest Substring with At Least K Repeating Characters | 395 | Leetcode |
| 8. | Jump Game II | 45 | Leetcode |
| 9. | Is Subsequence | 392 | Leetcode |
| 10. | Non-overlapping Intervals | 435 | Leetcode |
| 11. | Assign Cookies | 455 | Leetcode |
| 12. | Is Subsequence | 392 | Leetcode |
| 13. | Non-overlapping Intervals | 435 | Leetcode |
| 14. | Assign Cookies | 455 | Leetcode |
| 15. | Check If Array Pairs Are Divisible by k | 1497 | Leetcode |
| 16. | Divide Array in Sets of K Consecutive Numbers | 1296 | Leetcode |
| 17. | K Closest Points to Origin | 973 | Leetcode |
| 18. | Valid Permutations for DI Sequence | 903 | Leetcode |
| 19. | Burst Balloons | 312 | Leetcode |
| 20. | Count of Smaller Numbers After Self | 315 | Leetcode |
| 21. | Count of Range Sum | 327 | Leetcode |
| 22. | Expression Add Operators | 282 | Leetcode |
| 23. | Reverse Pairs | 493 | Leetcode |
|  |  |  |  |

***Leetcode Contest 53:***

Rank - 5198/ 12291

Mark – 7/18

Link - <https://leetcode.com/contest/biweekly-contest-53>