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

***Topics Completed:***

1. Divide and Conquer

***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 |
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***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. |  |  | Leetcode |
| 14. |  |  | Leetcode |
| 15. |  |  | Leetcode |

***Problems in PDF:***

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| S.No. | Problem Name | Problem Number | Platform |
| 1. | Pow(x, n) | 50 | Leetcode |
| 2. | Fibonacci Number | 509 | Leetcode |
| 3. |  |  | Leetcode |
| 4. |  |  | Leetcode |
| 5. |  |  | Leetcode |
| 6. |  |  | Leetcode |
| 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. |  |  | InterviewBit |
| 23. |  |  | Leetcode |
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***Problems Not Solve in First Try:***

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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. |  |  | Leetcode |
| 4. |  |  | Leetcode |
| 5. |  |  | Leetcode |
| 6. |  |  | Leetcode |
| 7. |  |  | Leetcode |
| 8. |  |  | Leetcode |
| 9. |  |  | Leetcode |
| 10. |  |  | Leetcode |
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| 12. |  |  | Leetcode |
| 13. |  |  | Leetcode |
| 14. |  |  | Leetcode |
| 15. |  |  | Leetcode |
| 16. |  |  | Leetcode |
| 17. |  |  | Leetcode |
| 18. |  |  | Leetcode |
| 19. |  |  | InterviewBit |
| 20. |  |  | Leetcode |
| 21. |  |  | Leetcode |
| 22. |  |  | Leetcode |
| 23. |  |  | Leetcode |
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