**Dsa leetCode**

**Array Problems**

[Catch Fish (codingninjas.com)](https://www.codingninjas.com/codestudio/contests/love-babbar-contest-3/problems/16650?leftPanelTab=1)(love babbar contest found n^2 approach )

**Binary Search Problems .**

**1. Binary Search**

**2. 704.Binary Search**

**3. 34.first and last element in a sorted array**

**4. 153.find minimum element in a rotated sorted array**

**5. 33.Search in a rotated sorted array**

**6. 0. Floor of an element**

**7. 0. Ceil of an element**

**8. 744. Find Smallest Letter Greater Than Target**

**9. 0. Find an element in an infinite sorted array**

**10. 0. find the first occurrence of 1st 1 element in a binary infinite sorted array**

**11. 852. Peak Index in a Mountain Array**

**12. 162. Find Peak Element**

**13. 74. Search a 2D Matrix O(logn and n+m)**

**14. Allocate Minimum Number of pages( gfg ) (code not verified). (striver video recommended).**

**15. 1351. Count Negative Numbers in a Sorted Matrix**

**16. 1608. Special Array With X Elements Greater Than or Equal X**

**17. 167. Two Sum II - Input Array Is Sorted**

**18. 69. Sqrt(x)**

**19. 240. Search a 2D Matrix II**

**20. 0. Nth root of a number (in notebook and take u forward channel )(have not implemented)**

**21. median in a row-wise sorted matrix (nhi samj aa rakha h number lesser than or equal to wla) .**

**540.  Single Element in a Sorted Array**

**Bit Manuplation and Masking**