

Exp 1

- 1) Related to Pointers [click here](#)
- 2) <https://practice.geeksforgeeks.org/problems/first-and-last-occurrences-of-x3116/1>
- 3) <https://practice.geeksforgeeks.org/problems/find-triplets-with-zero-sum/1>
- 4) DBMS queries

Round 2

- 1) <https://practice.geeksforgeeks.org/problems/print-anagrams-together/1>
- 2) <https://www.geeksforgeeks.org/singleton-class-java/>
- 3) What is multithreading and how to avoid multi-threads to access a resource at a time?
- 4) What is Regex?
- 5) <https://practice.geeksforgeeks.org/problems/array-of-alternate-ve-and-ve-nos1401/1>
- 6) <https://www.geeksforgeeks.org/difference-between-hashing-and-encryption/>

Exp 2

- 1) <https://www.geeksforgeeks.org/rearrange-a-given-linked-list-in-place/> → [click for question](#)
- 2) DS Design
design a data structure (for the elements of a given array) which supports the following queries :
 - find index of any element in $O(1)$ time
 - print the elements in the same order as the input array in $O(n)$ time.Click here → [article](#)
- 3) asymptotic analysis → read about notations from this article <https://www.javatpoint.com/data-structure-asymptotic-analysis>

Exp 3

- 1) Implement a Stack Data Structure specifically to store integer data using two Queues.
- 2) Tree traversal iterative method
- 3) OS questions → round robin scheduling, deadlock etc.
- 4) **the question was:** given 5 fingers of a hand you start 1 from thumb then 2 will be 1st finger 3 -middle finger 4-third finger 5- last small finger and then from there only next finger in the reverse direction that is 6th finger will be again second last i.e third finger since 5 was on the 4th finger and we started in the reverse direction now and will not repeat the same finger again so 6th will be on third finger and so on and same thing will be repeated for the case when we reach to thumb then from there itself we will start iterating from 1st finger and so , then if nth number is given, then on which finger it will fall? → logic, code

Exp 4

- 1) Longest Palindromic Substring
- 2) Rearrange Linked List
- 3) Kth largest element in the unsorted array

After all these →

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