C++ standard template Library(STL)
Beginner to Advance
Based On Problem solving

- Introduction to STL
- Vector

Practice problems:
1. A. Sereja and Dima (Codeforces)
   Link : https://codeforces.com/problemset/problem/381/A

2. 852. Peak Index in a Mountain Array (LeetCode)
   Link : https://leetcode.com/problems/peak-index-in-a-mountain-array/

3. 1502. Can Make Arithmetic Progression From Sequence (LeetCode)
   Link : https://leetcode.com/problems/can-make-arithmetic-progression-from-sequence/

4. Distinct Count (Hacker erath)
   LInk : https://www.hackerearth.com/practice/data-structures/trees/binary-search-tree/practice-problems/algorithm/distinct-count/submissions/

- String

Practice problems:
5. A. String Task(Codeforces)
   Link : https://codeforces.com/problemset/problem/118/A

6. The Palindrome (HackerErath)
   Link : https://www.hackerearth.com/problem/algorithm/the-palindrome-2/

7. Sum of Digit is Palindrome or not (GeeksForGeeks)
   Link : https://practice.geeksforgeeks.org/problems/sum-of-digit-is-pallindrome-or-not2751/1

8. A. Petya and Strings (Codeforces)
   LInk : https://codeforces.com/contest/112/problem/A

9. A. Haiku (Codeforces)
   Link : https://codeforces.com/contest/78/problem/A

10. LexoGeek (HackerEarth)
    Link: https://www.hackerearth.com/problem/algorithm/lexogeek-e6450fb7/

● Map (Hash map)

Practice problems:

11. Find the Frequency (Geeks for Geeks) [Google interview question]
    Link : https://practice.geeksforgeeks.org/problems/find-the-frequency/1

12. Twice counter (Geeks for Geeks) [Amazon interview question]
    Link : https://practice.geeksforgeeks.org/problems/twice-counter/0

13. Sum of Digit is Palindrome or not (GeeksForGeeks)
    Link : https://practice.geeksforgeeks.org/problems/sum-of-digit-is-pallindrome-or-not2751/1

14. Word with maximum frequency (Geeks for Geeks) [Amazon interview question]
    Link : https://practice.geeksforgeeks.org/problems/word-with-maximum-frequency/0

15. C - Good Sequence (Atcoder)
    Link : https://atcoder.jp/contests/arc087/tasks/arc087_a

16. A. Tom Riddle's Diary (Codeforces)
    Link : https://codeforces.com/contest/855/problem/A

17. C. Registration system (Codeforces)
    Link : https://codeforces.com/contest/4/problem/C

18. B. Radio Station (Codeforces)
    Link : https://codeforces.com/contest/918/problem/B

19. RPLD - Database (SPOJ)
    Link : https://www.spoj.com/problems/RPLD/

20. C. Boxes Packing (Codeforces)
    Link : https://codeforces.com/contest/903/problem/C

- Set

  Practice problems:
  21. Sets-STL (Hackerrank)

      Link : https://www.hackerrank.com/challenges/cpp-sets/problem

  22. C++ STL | Set 6 (set) (Geeks for Geeks)

      Link : https://practice.geeksforgeeks.org/problems/c-stl-set-6-set/1

  23. Set Operations (Geeks for Geeks)

      Link : https://practice.geeksforgeeks.org/problems/set-operations/1

  24. A. I Wanna Be the Guy (Codeforces)

      Link : https://codeforces.com/problemset/problem/469/A

  25. 217. Contains Duplicate (LeetCode)

      Link : https://leetcode.com/problems/contains-duplicate/

  26. A. Second Order Statistics (Codeforces)

      Link : https://codeforces.com/problemset/problem/22/A

- Multiset

  Practice problems:
  27. Multiset Operations (Geeks for Geeks)

      Link : https://practice.geeksforgeeks.org/problems/multiset-operations/1

  28. Multiset Operations (Geeks for Geeks)

      Link :
      https://practice.geeksforgeeks.org/problems/multiset-operations/1?fbclid=IwAR3_AVk
      3GIc7_ThVoeZVeIHHlPuFIrb_HTpaFD_WHsJbrQy4rKmhmr9BfFw

- ## Stack

  Practice problems:

  29. balanced brackets (Hacker Rank)

      Link :
      https://www.hackerearth.com/practice/data-structures/stacks/basics-of-stacks/practice-problems/algorithm/balanced-brackets-3-4fc590c6/

  30. Special Stack (Geeks for Geeks)

      Link : https://practice.geeksforgeeks.org/problems/special-stack/1

  31. 682. Baseball Game (LeetCode)

      Link : https://leetcode.com/problems/baseball-game/

  32. 1047. Remove All Adjacent Duplicates In String (LeetCode)

      Link : https://leetcode.com/problems/remove-all-adjacent-duplicates-in-string/

- ## Queue

  Practice problems:

  33. Queue Push & Pop (Geeks for Geeks)

      Link : https://practice.geeksforgeeks.org/problems/queue-designer/1

  34. Reverse First K elements of Queue (Geeks for Geeks)

      Link : https://practice.geeksforgeeks.org/problems/reverse-first-k-elements-of-queue/1

  35. Queue Reversal (Geeks for Geeks)

      Link :https://practice.geeksforgeeks.org/problems/queue-reversal/1

- ## Deque

  Practice problems:

  36. Deque Implementations (Geeks for Geeks)

      Link : https://practice.geeksforgeeks.org/problems/deque-implementations/1/

- ## Priority Queue

Practice problems:

37. Monk and Multiplication(HackerEarth)

Link :
https://www.hackerearth.com/practice/data-structures/trees/heapspriority-queues/practice-problems/algorithm/monk-and-multiplication/description/

38. Monk And Champions League (HackerEarth)

Link :
https://www.hackerearth.com/practice/data-structures/trees/heapspriority-queues/practice-problems/algorithm/monk-and-champions-league/description/

39. REDARR2 - Reduce the array (Spoj)

Link : https://www.spoj.com/problems/REDARR2/

40. T-shirt buying (Codeforces)

Link : https://codeforces.com/contest/799/problem/B

41. Constructing the Array (Codeforces)

Link : https://codeforces.com/problemset/problem/1353/D