1. **INTERVIEW TECHNIQUES**
   a. How Companies Evaluate Technical Interviews
      https://youtu.be/jxAWQN5t6wg
   b. How to Approach Behavioral Questions
      https://youtu.be/tZxNNKqxXnw
   a. 7 Steps to Solve Algorithm Problems
      https://youtu.be/GKgAVjJxh9w
   c. 3 Algorithm Strategies
      https://youtu.be/84UYVCluClQ
   d. HackerRank Youtube Chanel -
      https://www.youtube.com/channel/UCOf7UPMHBjAavgD0Qw5q5ww
      https://www.youtube.com/watch?v=shs0KM3wKv8&list=PLX6IKgS15Ue02WDPR
      CmYKuZicQHit9kFt

2. **DATA STRUCTURES**
   a. **Arrays 1** (https://www.hackerrank.com/topics/arrays,
      https://www.hackerrank.com/topics/arraylist)
      i. Problem name - Left Rotation
      ii. Link to the problem -
          https://www.hackerrank.com/challenges/ctci-array-left-rotation
      iii. Link to the video - https://youtu.be/NLAzwv4D5iI
   b. **Strings 2** (https://www.hackerrank.com/topics/strings-overview)
      i. Problem name - Making Anagrams
      ii. Link to the problem -
          https://www.hackerrank.com/challenges/ctci-making-anagrams
      iii. Link to the video - https://youtu.be/gbxodBVkEIQ ,
          https://youtu.be/3MwRGPPB4tw?list=PLX6IKgS15Ue02WDPRCmYKuZic
          QHit9kFt
   c. **Hash Tables 3** (https://www.hackerrank.com/topics/hashing)
      i. Problem name - Ransom Note
      ii. Link to the problem -
          https://www.hackerrank.com/challenges/ctci-ransom-note
      iii. Link to the video - https://youtu.be/shs0KM3wKv8
   d. **Linked Lists 4** (https://www.hackerrank.com/topics/linked-lists)
      i. Problem name - Detect a Cycle
      ii. Link to the problem -
          https://www.hackerrank.com/challenges/ctci-linked-list-cycle
      iii. Link to the video - https://youtu.be/njTh_OwMljA
   e. **Stacks 5** (https://www.hackerrank.com/topics/stacks)
      i. Problem name - Balanced Brackets
      ii. Link to the problem -
          https://www.hackerrank.com/challenges/ctci-balanced-brackets
      iii. Link to the video - https://youtu.be/wjI1WNcIntg

    f. Queues 6 (https://www.hackerrank.com/topics/queues)
- i. Problem name - A Tale of Two Stacks
- ii. Link to the problem - https://www.hackerrank.com/challenges/ctci-queue-using-two-stacks
- iii. Link to the video - https://youtu.be/wjI1WNcIntg

    g. Trees 7
(https://www.hackerrank.com/topics/binary-trees-and-binary-search-trees)
- i. Problem name - Is This a Binary Search Tree?
- ii. Link to the problem - https://www.hackerrank.com/challenges/ctci-is-binary-search-tree
- iii. Link to the video - https://youtu.be/oSWTXtMgIKE

    h. Heaps 8 (https://www.hackerrank.com/topics/heaps)
- i. Problem name - Find the Running Median
- ii. Link to the problem - https://www.hackerrank.com/challenges/ctci-find-the-running-median
- iii. Link to the video - https://youtu.be/t0Cq6tVNRBA

    i. Tries 9
- i. Problem name - Contacts
- ii. Link to the problem - https://www.hackerrank.com/challenges/ctci-contacts
- iii. Link to the video - https://youtu.be/zIjfhVPRZCg

3. **ALGORITHMS**
    a. Bubble Sort 10 (https://www.hackerrank.com/topics/bubble-sort)
- i. Problem name - Bubble Sort
- ii. Link to the problem - https://www.hackerrank.com/challenges/ctci-bubble-sort
- iii. Link to the video - https://youtu.be/6Gv8vg0kcHc

    b. Quicksort 11 (https://www.hackerrank.com/topics/quicksort-java)
- i. Problem name - Comparator
- ii. Link to the problem - https://www.hackerrank.com/challenges/ctci-comparator-sorting
- iii. Link to the video - https://youtu.be/SLauY6PpjW4

    c. Merge Sort 12
- i. Problem name - Counting Inversions
- ii. Link to the problem - https://www.hackerrank.com/challenges/ctci-merge-sort
- iii. Link to the video - https://youtu.be/KF2j-9iSf4Q

    d. Binary Search 13 (https://www.hackerrank.com/topics/binary-search-java)
- i. Problem name - Ice Cream Parlor
- ii. Link to the problem - https://www.hackerrank.com/challenges/ctci-ice-cream-parlor
- iii. Link to the video - https://youtu.be/P3YID7IiBug

- e. **DFS 14**
    - i. Problem name - Connected Cell in a Grid
    - ii. Link to the problem - https://www.hackerrank.com/challenges/ctci-connected-cell-in-a-grid
    - iii. Link to the video - https://youtu.be/zaBhtODEL0w
- f. **BFS 15**
    - i. Problem name - Shortest Reach in a Graph
    - ii. Link to the problem - https://www.hackerrank.com/challenges/ctci-bfs-shortest-reach
    - iii. Link to the video - https://youtu.be/zaBhtODEL0w

4. **TECHNIQUES/CONCEPTS**
    - a. **Time Complexity, Big O Notation 16** (https://www.hackerrank.com/topics/running-time-and-complexity)
        - i. Problem name - Primality
        - ii. Link to the problem - https://www.hackerrank.com/challenges/ctci-big-o
        - iii. Link to the video - https://youtu.be/v4cd1O4zkGw
    - b. **Recursion 17** (https://www.hackerrank.com/topics/recursion)
        - i. Problem name - Fibonacci Numbers
        - ii. Link to the problem - https://www.hackerrank.com/challenges/ctci-fibonacci-numbers
        - iii. Link to the video - https://youtu.be/KEEKn7Me-ms
    - c. **Recursion 18**
        - i. Problem name - Davis' Staircase
        - ii. Link to the problem - https://www.hackerrank.com/challenges/ctci-recursive-staircase
        - iii. Link to the video - https://youtu.be/KEEKn7Me-ms
    - d. **Memoization and Dynamic Programming 19**
        - i. Problem name - Coin Change
        - ii. Link to the problem - https://www.hackerrank.com/challenges/ctci-coin-change
        - iii. Link to the video - https://youtu.be/P8Xa2BitN3I
    - e. **Bit Manipulation 20** (https://www.hackerrank.com/topics/bit-manipulation)
        - i. Problem name - Lonely Integer
        - ii. Link to the problem - https://www.hackerrank.com/challenges/ctci-lonely-integer
        - iii. Link to the video - https://youtu.be/NLKQEOgBAnw