Arrays :

1. Write a java program to find duplicate elements in an array.
2. Write a java program to check the equality of two arrays
3. Write a java program to find all pairs of elements in an integer array whose sum is equal to a given number.
4. Write a java program to find a continuous subarray whose sum is equal to a given number.
5. Write a java program to find the intersection of two arrays
6. Write a java program to separate zeros from non-zeros in an integer array
7. Write a java program to reverse an array without using an additional array
8. Write a java program to remove duplicate elements from an array
9. Write a java program to find kth largest element in unsorted array

String Manipulations :

1. How do you reverse a given string in place
2. How do you print duplicate characters from a string
3. How do you check if two strings are anagrams of each other
4. How do you check if a given string is a palindrome
5. how to remove the duplicate character from String
6. Find the frequency of a given character of a string.
7. First Unique Character in a String
8. How do you find all the permutations of a string

Hashing :

1. Largest Continuous Sequence Zero Sum
2. 2 sum
3. 4 sum
4. How do you find the length of the longest substring without repeating characters
5. Print all subarrays with 0 sum
6. Find whether an array is subset of another array
7. Given string str, How do you find the longest palindromic substring in str.

LinkedList :

1. Middle of list
2. Remove node from list
3. Remove nth node from list
4. Reverse list
5. Reverse in a range
6. Remove duplicate node
7. Remove duplicate node - II (excluding repeated node)
8. Merge two sorted list
9. Check palindrome list

Stack and Queue :

1. Stack implementation (Array and linkedList)
2. Check balanced parentheses
3. Evaluated given postfix expression
4. Longest increasing sequence
5. Queue implementation (Array and LinkedList)

Greedy :

1. Job sequence problem
2. Fractional knapsack
3. Min number of platform/meeting room problem

Recursion and Backtracking :

1. Maze problem
2. N queen
3. M Color
4. Sudoku Solver

Dynamic Problem :

1. Longest Common Subsequence
2. Longest Increasing Subsequence
3. Edit Distance
4. Minimum Partition

5. Ways to Cover a Distance
6. Longest Path In Matrix
7. Subset Sum Problem
8. Optimal Strategy for a Game
9. 0-1 Knapsack Problem
10. Boolean Parenthesization Problem
11. Shortest Common Supersequence
12. Matrix Chain Multiplication
13. Partition problem
14. Rod Cutting
15. Coin change problem
16. Word Break Problem
17. Maximal Product when Cutting Rope
18. Dice Throw Problem
19. Box Stacking
20. Egg Dropping Puzzle

Tree :

1. Tree implement. + InOrder + PreOrder + PostOrder
2. Level order traversal
3. Spiral order traversal
4. Check Two tree identical or not
5. tries