# Prep-Sheet


POWERED BY CODING NINJAS

Level: Easy

# Google Interview Questions

1. You are given an array of integers 'ARR' of length 'N' and an integer Target.

   Your task is to return all pairs of elements such that they add up to Target.

Solve it here

Level: Easy

# Google Interview Questions

2. Given an 'N' x 'M integer matrix, if an element is 0, set its entire row and column to 0's, and return the matrix. In particular, your task is to modify it in such a way that if a cell has a value 0 (matrix[i][j] == O), then all the cells of the ith rovw and jth column should be changed to 0.

   You must do it in place.

Solve it here

Level: Easy

# Google Interview Questions

3. You are given an array "ARR" of size N. Your task is to find out the sum of maximum and minimum elements in the array.

Solve it here

Level: Easy

# Google Interview Questions

4. You are given an integer N. Your task is to return a 2-D ArrayList containing the pascal's triangle till the row N.

Solve it here

Level: Easy

# Google Interview Questions

5. You are given two arrays 'A' and 'B' of size 'N' and 'M' respectively. Both these arrays are sorted in non-decreasing order. You have to find the intersection of these two arrays.

Solve it here

Level: Easy

# Google Interview Questions

6. Your friends gifted you a lot of things on your birthday, and now it's your turn to give some return gifts to them. You went to a gift store and decided to buy some Binary Search Trees (BST).
   There is no salesperson in the store. So you are supposed to guess the price of a given BST, which is the minimum value in its nodes.

Solve it here

Level: Moderate

# Google Interview Questions

7. For a given integer array/list 'ARR' of size 'N' containing all distinct values, find the total number of 'Inversions' that may exist.

Solve it here

Level: Moderate

# Google Interview Questions

8. You have been given two singly Linked Lists, where each of them represents a positive number without any leading zeros.

   Your task is to add these two numbers and print the summation in the form of a linked list.

Solve it here

Level: Moderate

# Google Interview Questions

9. You are given an unsorted array/list 'ARR' of 'N' integers. Your task is to return the length of the longest consecutive sequence.

Solve it here

Level: Moderate

# Google Interview Questions

10. You are given an array/list 'ARR of 'N' positive integers'. Your task is to find out the size of the smallest subset with the maximum OR possible.

    That means that among all subsets that have OR of its elements maximum, you need to report the size of the smallest such subset.

Solve it here

Level: Moderate

# Google Interview Questions

11. You are given a positive integer N, your task is to find all the Jumping Numbers smaller than or equal to N.

Solve it here

Level: Ninja

# Google Interview Questions

12. You are given an array/list of words. your task is to check whether the individual words can be rearranged to form a circle.

Solve it here

Level: Ninja

# Google Interview Questions

13. You are given a set of 'N' distinct points on a 2-D plane. You have to construct the smallest parameter that contains all points of the given set. You have to print all the points that lie on the smallest parameter.

Solve it here

Level: Ninja

# Google Interview Questions

**14.** You are given an array of strings "arr" and a character matrix "mat". Your task is to find out all the possible words in the array "arr" that can be constructed by moving sequentially in the matrix "mat", where the movement can start from any position in the matrix "mat" and can be done in all 8 possible directions. However, the same cell can not be considered more than once for the construction of a word. Print the words in sorted manner

Solve it here

Level: Ninja

# Google Interview Questions

15. There are N' people numbered from 0 to N-1, standing in a queue. You are given two arrays 'Height' and 'Infront' consisting of 'N' non-negative integers. 'Height[i]' gives the height of the ith person, and 'Infront[i]' gives the number of persons who are taller than the ith person and standing in front of the ith person. Your task is to find out the actual order of people in a queue. You should print 'N' integers where the ith integer is the height of the person who should be at the ith position from the start of the queue.

Solve it here

# Be a part of our exclusive Community on Telegram to get

- Latest Updates
- Valuable Resources
- Exciting Contests

Join us - Codewords by CN