

Lab Assignment 7

Hashing

1. Write a program to determine the most frequent element an array. If there are multiple elements that are appearing the maximum number of times, then print any one of them.

<https://www.geeksforgeeks.org/frequent-element-array/>

2. Write a program that, given an array $A[]$ of n numbers and another number x , determines whether or not there exist two elements in $A[]$ whose sum is exactly x .

<https://www.geeksforgeeks.org/given-an-array-a-and-a-number-x-check-for-pair-in-a-with-sum-as-x/>

3. You are provided with two arrays. Write a program to find numbers which are present in first array, but not present in the second array.

<https://www.geeksforgeeks.org/find-elements-present-first-array-not-second/>

4. Write a program that creates union and intersection lists from the two Linked Lists given as an input. The union list contains unique elements present in both the input Linked Lists and intersection list contains common elements present in the given lists. Order of elements in output lists doesn't matter.

<https://www.geeksforgeeks.org/union-intersection-two-linked-lists-set-3-hashing/>

Additional Questions:

- <https://www.codechef.com/problems/AUHASH>
- <https://www.interviewbit.com/problems/valid-sudoku/>