UCS301 Data Structures Assignment on Hash table

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

2) An array A[] of n numbers and another number x is given to you. Write a program to check whether or not there exist two elements in A[] whose sum is exactly 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.

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.

NOTE: Try to employ STL to write programs for these problems. Your respective class teacher will provide you a link where you can submit the programs. For your reference, a related notes is also uploaded on LMS.