PROBLEM SET 2

1. Write a function to determine if a string has all unique characters.

Function Prototype : Boolean uniqueString(String input) , returns true if all characters are unique and false otherwise.

(b) If space complexity is an issue , then write an algo to implement this function in place.

1. Write an algorithm to find the kth smallest element in a given array.
2. Given a 2-d array , print the elements as they would appear in a spiral traversal.

Eg. Input matrix :

1 2 3 4

5 6 7 8

9 1 2 2

Output :

1 2 3 4 8 2 2 1 9 5 6 7

1. Given an array of integers , print the pair which has minimal sum >= 0.

Eg. Input : {5,3,8,-7,2,-11}

Output : [8,-7] ( MinSum = 1)

1. Given a sorted integer array as input and another integer as second input , write a function to print pairs(from the array) which sum up to the given integer.
2. Chocolate Brain Teaser.