String - Exercises

1. We are given a 2D array of characters and a character pattern. Give an algorithm to find if pattern is present in 2D array. Patterns can be in any way (all neighbors to be considered) but we can't use the same character twice while matching .

2. Given a string, find the smallest window length with all distinct characters of the given string. For eg. str = "aabcbcdbca", then the result would be 4 as of the smallest window will be "dbca" .

3. Write a program to print all permutations of a given string

A permutation also called an "arrangement number" or "order," is a rearrangement of the elements of an ordered list S into a one-to-one correspondence with S itself. A string of length n has n! permutation.

Below are the permutations of string ABC. ABC ACB BAC BCA CBA CAB