

Assignment

Question-1

Given two sorted arrays A and B, generate all possible arrays such that first element is taken from A then from B then from A and so on in increasing order till the arrays exhausted. The generated arrays should end with an element from B.

A = {10, 15, 25}

B = {1, 5, 20, 30}

The resulting arrays are:

10 20

10 20 25 30

10 30

15 20

15 20 25 30

15 30

25 30

Question-2

Given an array, write functions to find minimum and maximum elements in it (using recursion)

Question-3

Given a set of characters generate all possible passwords from them. This means we should generate all possible permutations of words using the given characters, with repetitions and also upto a given length.

Input : arr[] = {a, b},

len = 2.

Output :

a b aa ab ba bb