Assignment 8: Pointer

1. Write a program in C to print all permutations of a given string using pointers.

- 2. Program to create, initialize, assign and access a pointer variable.
- 3. Program to swap two numbers using pointers.
- 4. Modify value stored in other variable using pointer in C
 - a. Initialize the pointer with the other (normal variable whose value we have to modify) variable's address.
 - b. Update the value

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5. Solve the following
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You have to complete the function void update(int *a,int *b), which reads two integers as argument, and sets a with the sum of them, and b with the absolute difference of them.

$$a' = a + b$$

$$b' = |a-b|$$

Input Format

Input will contain two integers, a and b, separated by a newline.

Output Format

You have to print the updated value of, a and b, on two different lines.