

Permutations of String 3

Given a string S, print all permutations of the string in a separate line.

Input Format

A single string s.

Constraints

1 <= length of string <= 10

Output Format

Print all the permutations of the string.

Sample Input 0

```
zmC
```

Sample Output 0

```
Cmz Czm mCz mzC zCm zmC
```

Sample Input 1

```
123
```

Sample Output 1

```
123 132 213 231 312 321
```