#### **LACS-Elite-Permutation-Part001**

Solved Challenges 0/2

Back To Challenges List





**Permutations - String Characters** 

#### ID:11086 **Solved By 720 Users**

The program must accept a string S as the input. The program must print all the permutations of the string S as the output.

# **Boundary Condition(s):**

2 <= Length of S <= 10

## **Input Format:**

The first line contains S.

### **Output Format:**

The lines containing all the permutations of the string S.

# **Example Input/Output 1:**

Input:

abc

Output:

abc

acb

bac

bca

cba

cab

# **Example Input/Output 2:**

Input:

rack

Output:

rack

rakc

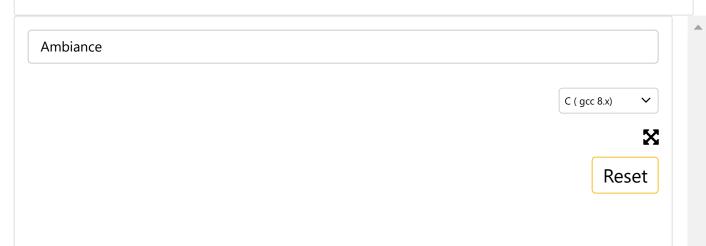
rcak

rcka

rkca

rkac arck arkc acrk ackr akcr akrc cark cakr crak crka ckra ckar kacr karc kcar kcra krca krac

# **Max Execution Time Limit: 1000 millisecs**



```
#include<stdio.h>
 1
   #include<stdlib.h>
 2
    void permute(char str[], int left, int right)
 3
 4
 5
        if(left==right)
 6
        {
 7
            printf("%s\n", str);
 8
            return;
9
        }
10
        for(int index=left;index<=right;index++)</pre>
11
12
            swap(str,left,index);
13
            permute(str,left+1,right);
14
            swap(str,left,index);
15
        }
16
    }
17
18
19
    void swap(char str[], int left,int index)
20
    {
21
        char temp = str[left];
22
        str[left] = str[index];
23
        str[index] = temp;
24
    }
25
26
27
    int main()
28
29
        char str[11];
        scanf("%s", str);
30
31
        int len = strlen(str);
32
        permute(str,0, len-1);
33
    }
```

