

**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

Ambiance

C ( gcc 8.x) 



Reset

```
1  #include<stdio.h>
2  #include<stdlib.h>
3  void permute(char str[], int left, int right)
4  {
5      if(left==right)
6      {
7          printf("%s\n", str);
8          return;
9      }
10
11     for(int index=left;index<=right;index++)
12     {
13         swap(str, left, index);
14         permute(str, left+1, right);
15         swap(str, left, index);
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];
30     scanf("%s", str);
31     int len = strlen(str);
32     permute(str, 0, len-1);
33 }
```

Code did not pass the execution



Hello.c: In function 'permute':

Hello.c:14:28: error: 'len' undeclared (first use in this function); did you mean 'left'?

```
permute(str, left+1, len);
```

```
    ^~~
```

```
    left
```

**Hello.c:14:28: note: each undeclared identifier is reported only once for each function it appears in**

Save

Run

☐ Run with a custom test case (Input/Output)