



# Online Java Compiler IDE

For Multiple Files, Custom Library and File Read/Write, use our new - [Advanced Java IDE](#)

```
1  // Print All Permutations Of A String Iteratively
2  //1. You are given a string.
3  // 2. You have to print all permutations of the given string iteratively.
4  // Sample Input
5  // abc
6  // Easy Prev Next
7  // 1. You are given a string.
8  // 2. You have to print all permutations of the given string iteratively.
9  // Sample Input
10 // abc
11 // Sample Output
12 // abc
13 // bac
14 // cab
15 // acb
16 // bca
17 // cba|
18
19 import java.util.*;
20 public class MyClass {
21     public static void main(String args[]) {
22         Scanner sc=new Scanner(System.in);
23         String str=sc.nextLine();
24         solution(str);
25     }
26
27     public static void solution(String str)
28     {
29
30         int n=str.length();
31         int f=factorial(n); // no of possible permutaions
32         for(int i=0;i<f;i++)
33         {
34             // why this sttm is here means, for each iteration we need original string ag
35             StringBuilder sb=new StringBuilder(str);
36             int temp=i;
37             for(int div=n;div>=1;div--)
38             {
39                 int q=temp/div;
40                 int r=temp%div;
41                 System.out.print(sb.charAt(r));
42                 sb.deleteCharAt(r);
43                 temp=q;
44             }
45             System.out.println();
46         }
47     }
48
49     public static int factorial(int n)
50     {
51         int val=1;
52         for(int i=2;i<=n;i++)
53         {
54             val*=i;
55         }
56         return val;
57     }
58 }
```

Execute Mode, Version, Inputs & Arguments

CommandLine Arguments

#### Stdin Inputs

abc


#### Result

CPU Time: 0.21 sec(s), Memory: 34052 kilobyte(s)

compiled and executed in 0.847 sec(s)

abc  
bac  
cab  
acb  
bca  
cba

#### Note:

1. For file operations - upload files using upload button . Files will be upload to /uploads folder. You can read those files in program from /uploads folder. To write a file from your program, write files to '/myfiles' folder. Please note the uploaded files stored in the server only for the current session.
2. For detailed documentation check - [Our Documentation](#), or check our [Youtube channel](#).

Thanks for using our  
**Online Java Compiler IDE**  
to execute your program



with solutions that



grow your business.

#### Know Your JDoodle

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#### JDoodle For Your Organisation

- Do you have any specific compiler requirements?

- Fullscreen - side-by-side code and output is available. click the "⌕" icon near execute button to switch.
- Dark Theme available. Click on "☰" icon near execute button and select dark theme.
- You can embed code from JDoodle directly into your website/blog. [Click here](#) to know more.
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- Check our [Documentation Page](#) for more info.

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