

Write a program to print all permutations of a given string.

```
public class Permutation {  
  
    public static void main(String[] args)  
  
    {  
  
        String str = "ABC";  
  
        int n = str.length();  
  
        Permutation permutation = new Permutation();  
  
        permutation.permute(str, 0, n - 1);  
  
    }
```

```
  
    private void permute(String str, int l, int r)  
  
    {  
  
        if (l == r)  
  
            System.out.println(str);  
  
        else {  
  
            for (int i = l; i <= r; i++) {  
  
                str = swap(str, l, i);  
  
                permute(str, l + 1, r);  
  
                str = swap(str, l, i);  
  
            }  
  
        }  
  
    }
```

```
  
    public String swap(String a, int i, int j)  
  
    {  
  
        char temp;
```

```

char[] charArray = a.toCharArray();

temp = charArray[i];

charArray[i] = charArray[j];

charArray[j] = temp;

return String.valueOf(charArray);

}

}

```

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JDK 11.0.4

Stdin Inputs

Interactive

CommandLine Arguments

Execute

Result

CPU Time: 0.17 sec(s), Memory: 32548 kilobyte(s) compiled and executed in 0.935 sec(s)

```

ABC
ACB
BAC
BCA
CBA
CAB

```

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