**1.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);

}

}

**OUTPUT:**

