**JAVA PROGRAM 1:**

**Write A Program To Print All Permutations Of A Given String.**

public class Permutation

{

public static void main(String[] args)

{

String str = "AB";

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:**

