/\*Write a program that prints permutations of any given set of numbers. For example:

**Input**:

Total number N = 3

Number #1: 2

Number #2: 8

Number #3: 9

**Output**:

The permutations of (2, 8, 9) are: 6

(2, 8, 9) (2, 9, 8) (8, 2, 9)

(8, 9, 2) (9, 2, 8) (9, 8, 2)

/\*

/\*Solution:\*/

import java.util.\*;

class Permutation{

static void permute(String s , String answer)

{

if (s.length() == 0)

{

System.out.print(answer + " ");

return;

}

for(int i = 0 ;i < s.length(); i++)

{

char ch = s.charAt(i);

String left\_substr = s.substring(0, i);

String right\_substr = s.substring(i + 1);

String rest = left\_substr + right\_substr;

permute(rest, answer + ch);

}

}

// Driver code

public static void main(String args[])

{

Scanner scan = new Scanner(System.in);

String s;

String answer="";

System.out.print("Enter the string : ");

s = scan.next();

System.out.print("\nAll possible strings are : ");

permute(s, answer);

}

}

A screenshot of a computer

Description automatically generated

Output\*/