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The string "PAYPALISHIRING" is written in a zigzag pattern on a given number of rows like this: (you may want to display this pattern in a fixed font for better legibility)

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package Problem21\_Zigzag\_Conversion;

import com.sun.jdi.IntegerValue;

import java.util.\*;

import javax.print.DocFlavor;

import java.lang.String;

import java.io.BufferedReader;

import java.io.BufferedWriter;

import java.io.FileReader;

import java.io.\*;

import java.math.BigDecimal;

import java.math.BigInteger;

import java.nio.Buffer;

import java.util.Scanner;

import java.util.Vector;

public class Problem21\_Zigzag\_Conversion{

public static void main(String[] args) {

Scanner input = new Scanner(System.in);

String word = input.next();

int row = input.nextInt();

Vector<String> list = new Vector<>();

if(row >=2){

int R = row -1;

int i = 0;

int len = word.length();

word += " ";

for(int x=0; i<len; x++){

StringBuilder temp = new StringBuilder();

if(x%R == 0){

for(int j=0; j<=R; j++){

temp.append(word.charAt(i) );

i++;}

}

else{

for(int j=0; j<=R; j++){

if(j == R-x%R){

temp.append(word.charAt(i));

i++;}

else{temp.append(" ");}

}}

list.add(temp.toString());

}

StringBuilder stringBuilder = new StringBuilder();

for(int j = 0; j < row; j++){

for (String s : list) {

stringBuilder.append(s.charAt(j));

}

}

String answer = stringBuilder.toString().replace(" ","");

System.out.println(answer);}

else{

System.out.println(word);

}

}

}