import java.util.Scanner;

class p2{

public static void main(String args[]) {

Scanner sc= new Scanner(System.in);

String str = sc.next();

int length = str.length();

char ch[] = str.toCharArray();

int j = 0;

for(int i = 1; i < length \* 2; i++) {

if(i == length)

{

//System.out.println(i);

System.out.println(" ".repeat(j)+ch[j]+" ".repeat(j++));

}

else

System.out.println(" ".repeat(j) + ch[j] + " ".repeat((length - j) \* 2 - 3)+ ch[j]+ " ".repeat(j++));

// if(i >= length)

// j -= 2;

}

}

}