import java.util.\*; // Program to create Rotate By 13 Encryption

public class ROT13 // Class Name

{

String str,str1; // Data Member

int l;

public ROT13() { // Default Constructor

str=str1="";

l=0;

}

public void input() { //Method to take input from user

Scanner sc = new Scanner(System.in);

System.out.println("Enter the String: ");

str = sc.nextLine();

l = str.length();

}

public void encrypt() {

char ch,ch1; ch=ch1='\u0000';

int i; // local Variable

if(l>3 && l<100) {

for(i=0;i<l;i++) { // a loop till length of String.

ch = str.charAt(i);

if((ch>='A'||ch>='a') && (ch<='M'||ch<='m')) {

ch = (char)(ch+13);

str1 = str1 + ch;

} else if((ch>='N'||ch>='n')&&(ch<='Z'||ch<='z')) {

ch = (char)(ch-13);

str1 = str1 + ch;

} else {

str1 = str1 + ch;

}

}

System.out.println("The Cipher text is: "+str1);

} else {

System.out.println("Invalid Length of String! ");

}

}

public static void main() { // main Method

ROT13 ob = new ROT13();

ob.input();

ob.encrypt(); // User-defined Method call

}

}