Dexter's Secret Service

Dexter is fed up of Dee Dee messing with his experiments. Whenever he sets a passcode for his secret Lab, somehow Dee Dee manages to get her hands on it. So, he sets up a highly sophisticated device, which generates a random string S and you have to enter an encoded message in one line as a response to that string.

Can you guess the logic used by Dexter in setting up that device?

Input Format

One line of text, the string S.

Constraints

$$1 \le S \le 81$$

S is comprised only of characters in the range $ascii[a-z]$

Output Format

Print the encoded message on one line as described.

Sample Input 0

youonlylookonce

Sample Output 0

ynon oloc uyke olo

Explanation 0

....

Sample Input 1

Thequickbrownfoxjumpsoverthelazydog

Sample Output 1

Tcnmrz hkfpty eboshd qrxoeo uojvlg iwuea

Explanation 1

....

Sample Input 2

have

Sample Output 2

hv ae

Explanation 2

....

Sample Input 3

allthebest

Sample Output 3

ahs let lb te

Explanation 3

....

Expected Solution :

```java
import java.io.*;
import java.math.*;
import java.security.*;
import java.text.*;
import java.util.*;
import java.util.concurrent.*;
import java.util.regex.*;

public class Solution {
  public static void main(String[] args) {
      Scanner in=new Scanner(System.in);
      String s=in.next();
      double row=Math.floor(Math.pow(s.length(),0.5));
      double col=Math.ceil(Math.pow(s.length(),0.5));
      String ans ="";
      for(int i=0;i<col;i++){
         int j=0;
         while(i+j<s.length()){
            ans=ans+s.substring(i+j,i+j+1);
            j=(int) (j+col);
            }
         ans=ans+" ";
         }
      System.out.println(ans);
      }
  }
```