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PRODUCT COMPANIES PROGRAMS - SET 001

ProgramID- 3442



SKILLRACK

Pattern Printing Middle Letter - Odd Length String [ZOHO]

An odd length string S is passed as the input. The program must print the pattern as described below.

Let L be the length of the string and M denote the middle position of the string S . The characters in the string are $a(1), \dots, a(M), \dots, a(L)$.

- The first line will contain the middle letter $a(M)$ of S in the extreme right.
- Then in each subsequent line, the letters after the middle letter from $a(M+1)$ to $a(L)$ is appended to the line output.
- After the end of the string $a(L)$ is reached, in each subsequent line, the letters from the beginning to the middle letter, $a(1)$ to $a(M-1)$ are appended to the line output.

Note: Asterisk $*$ will be used to pad in the front so that each line has L characters

Input Format:

The first line will contain S .

Output Format:

L lines as output where L is the length of the string S .

Boundary Conditions:

$3 \leq L \leq 1001$

Example Input/Output 1:

Input:
CRY

Output:

**R
*RY
RYC

Example Input/Output 2:

Input:

PROGRAM

Output:

*****G
*****GR
****GRA
***GRAM
**GRAMP
*GRAMPR
GRAMPRO

Max Execution Time Limit: 5000 millisecs



Ambiance



Java (12.0)



Reset

```
1 import java.util.*;
2 public class Hello {
3
4     public static void main(String[] args) {
5         Scanner sc=new Scanner(System.in);
6         char[] str=sc.nextLine().toCharArray();
7         int l=str.length;
8         int mid=l/2,k=0;
9         char[] arr=new char[mid+l+1];
10        for(int i=mid;i<l;i++) arr[k++]=str[i];
11        for(int i=0;i<l;i++) arr[k++]=str[i];
12
13        for(int i=0;i<str.length;i++){
14            k=0;
15            for(int j=0;j<str.length;j++){
16                if(j<l-1){
17                    System.out.print("*");
18                }
19                if(j>=l-1){
20                    System.out.print(arr[k++]);
21                }
22            }
23            l--;
24            System.out.println();
25        }
26    }
27 }
```

```
25  
26 //System.out.println(Arrays.toString(arr));  
27  
28  
29 }  
30 }
```

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Code did not pass the execution

Input:

PROGRAM

Expected Output:

*****G
*****GR
****GRA
***GRAM
**GRAMP
*GRAMPR
GRAMPRO

Your Program Output:

*****G
*****G
****G
***G
[G, R, A, M, P, R, O, G, R, A, M]

Save

Run

☐ Run with a custom test case (Input/Output)

