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COMPETE

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STRINGPATTERN2

Problem

Submissions

Leaderboard

Discussions

Print the desired pattern. Samples are given.

Input Format

String->str

Constraints

No constraints

Output Format

print the pattern

Sample Input 0

madam

Sample Output 0

```
d
a a
m m
a a
d
```

Sample Input 1

amma

Sample Output 1

```
mm
a a
mm
```

[f](#) [t](#) [in](#)

Submissions: 2

Max Score: 100

Difficulty: Medium

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Java 15



```
1 import java.io.*;
2 import java.util.*;
3
4 public class Solution {
5
6     public static void main(String[] args) {
7         Scanner sc = new Scanner(System.in);
8         String str = sc.next();
9         int n = getLength(str);
10        if(n % 2 == 1){
11            for(int i = 0; i <= (n - 1) / 2; i++){
12                for(int j = 0; j < n; j++){
```

```
13         if((j == (n / 2 - i)) || (j == (n / 2 + i))){
14             System.out.print(str.charAt(n / 2 - i));
15         }
16         else{
17             System.out.print(" ");
18         }
19     }
20     System.out.println();
21 }
22 for(int i = n / 2 - 1; i >= 0; i--){
23     for(int j = 0; j < n; j++){
24         if((j == (n / 2 - i)) || (j == (n / 2 + i))){
25             System.out.print(str.charAt(n / 2 - i));
26         }
27         else{
28             System.out.print(" ");
29         }
30     }
31     System.out.println();
32 }
33 }
34 else{
35     for(int i = 0; i < n / 2; i++){
36         for(int j = 0; j < n; j++){
37             if((j == (n / 2 + i)) || (j == (n / 2 - 1 - i))){
38                 System.out.print(str.charAt(n / 2 - i - 1));
39             }
40             else{
41                 System.out.print(" ");
42             }
43         }
44         System.out.println();
45     }
46 }
47 for(int i = n / 2 - 2; i >= 0; i--){
48     for(int j = 0; j < n; j++){
49         if((j == (n / 2 - i - 1)) || (j == (n / 2 + i))){
50             System.out.print(str.charAt(n / 2 - i - 1));
51         }
52         else{
53             System.out.print(" ");
54         }
55     }
56     System.out.println();
57 }
58 }
59 }
60 }
61
62 public static int getLength(String str){
63     int count = 0;
64     try{
65         while(true){
66             str.charAt(count++);
67         }
68     }catch(Exception e){
69         return count - 1;
70     }
71 }
72 }
```

Line: 1 Col: 1

 Upload Code as File ☐ Test against custom input

Run Code

Submit Code