Alphabet Rangoli 🛊

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You are given an integer, N. Your task is to print an alphabet rangoli of size N. (Rangoli is a form of Indian folk art based on creation of patterns.)

Different sizes of alphabet rangoli are shown below:

#size 3

----C----

--c-b-c--

c-b-a-b-c

--c-b-c--

#size 5

----e-d-e-------e-d-c-d-e-----e-d-c-b-c-d-ee-d-c-b-a-b-c-d-e --e-d-c-b-c-d-e---

-----e-----

-----e-d-e-----

-----e----

#size 10

-----j-i-j-----------j-i-h-i-j----------j-i-h-g-h-i-j----------j-i-h-g-f-g-h-i-j----------j-i-h-g-f-e-f-g-h-i-j----------j-i-h-g-f-e-d-e-f-g-h-i-j---------j-i-h-g-f-e-d-c-d-e-f-g-h-i-j------j-i-h-g-f-e-d-c-b-c-d-e-f-g-h-i-j-j-i-h-g-f-e-d-c-b-a-b-c-d-e-f-g-h-i-j --j-i-h-g-f-e-d-c-b-c-d-e-f-g-h-i-j------j-i-h-g-f-e-d-c-d-e-f-g-h-i-j---------j-i-h-g-f-e-d-e-f-g-h-i-j----------j-i-h-g-f-e-f-g-h-i-j----------j-i-h-g-f-g-h-i-j----------j-i-h-g-h-i-j----------j-i-h-i-j----------j-i-j-----

-----j------j

The center of the rangoli has the first alphabet letter a, and the boundary has the N^{th} alphabet letter (in alphabetical order).

Function Description

Complete the rangoli function in the editor below.

Privacy - Terms

rangoli has the following parameters:

• int size: the size of the rangoli

Returns

• string: a single string made up of each of the lines of the rangoli separated by a newline character (\n)

Input Format

Only one line of input containing size, the size of the rangoli.

Constraints

0 < size < 27

Sample Input

5

Sample Output

```
-----e-d-e-----

---e-d-c-d-e---

--e-d-c-b-c-d-e--

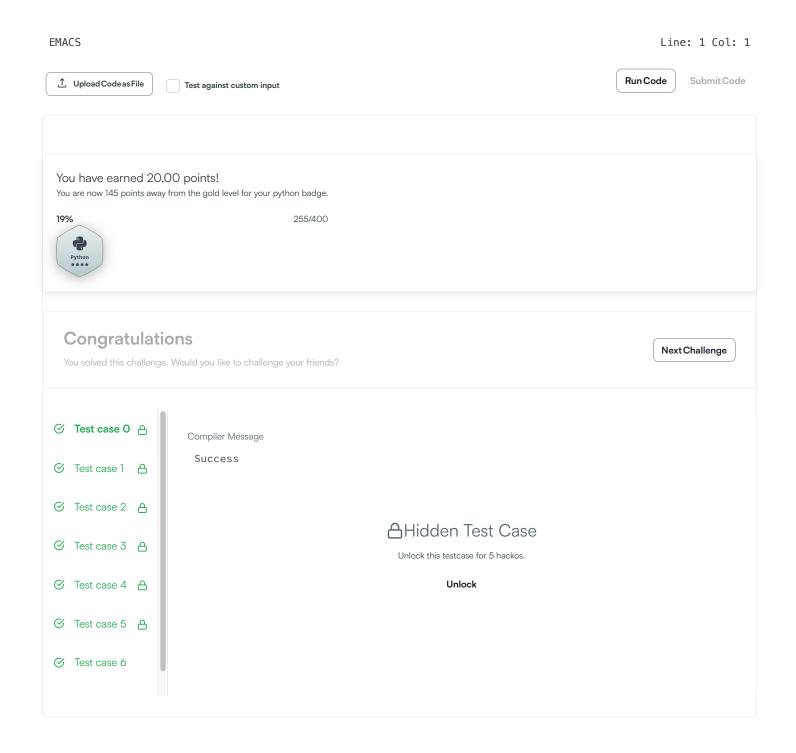
e-d-c-b-a-b-c-d-e

--e-d-c-b-c-d-e---

----e-d-c-d-e----
```

```
Change Theme Language Pypy 3 V
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```
def print_rangoli(size):
 1
 2
         # your code goes here
         n = ord("a")
 3
         alphabet = [chr(n + i) for i in range(size)]
 5
         length = ((size*2)-1)*2-1
 6
         lst = list(range(size-1,-1,-1)) + list(range(1,size))
         for i in lst:
 7
             right_side = alphabet[i:]
 8
 9
             left_side = right_side[::-1][:-1]
10
             line = left_side + right_side
             line = "-".join(line).center(length,"-")
11
12
             print(line)
13
     if __name__ == '__main__':
14
         n = int(input())
15
         print_rangoli(n)
16
```



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