



Coding Challenge #15 (Question)

Vyas wants an application which prints a triangle with his input character and number of lines(height) as borders.

Help him to develop the required program.

INPUT FORMAT:

1. User needs to enter the height of triangle(n)
2. User needs to enter the character to be drawn along the borders(x)

OUTPUT FORMAT:

Output the required triangle with given height and border.

CONSTRAINTS:

n and x should be non-negative integers.

SAMPLE INPUT 0:

6

*

SAMPLE OUTPUT 0:

```

          *
        *   *
      *       *
    *           *
  *               *
*                   *
```



Coding Challenge #16 (Question)

User wants to check whether his number is a lucky number or not provided the number is four-digit. Develop an application program which checks the user's four-digit number is either lucky number or not.

A four-digit number PQRS is called LUCKY NUMBER if $P+Q = R+S$

INPUT FORMAT:

A four digit number input given from the user.

OUTPUT FORMAT:

Print as The given number is a lucky number if it satisfies the conditions of a lucky number otherwise not

CONSTRAINTS:

The given input must be a non-negative integer and consisting of 4 digits.

SAMPLE INPUT 0:

2341

SAMPLE OUTPUT 0:

The given number is a lucky number.

EXPLANATION:

$2+3 = 4+1$

SAMPLE INPUT 1:

1234

SAMPLE OUTPUT 1:

The given number is not a lucky number.

EXPLANATION:

$1+2$ is not equal to $3+4$