Problem MAT_1 (1 points)
Please write a program to print a triangle of stars such as the following:
*
**
***
****
*****

Input: n (number of rows)
Output: print a triangle of stars with n rows
Solution to MAT_1

```matlab
1 clear all;
2 clc
3 % main
4 n=input('Please enter an positive integer:');
5 for i=1:1:n
6    for j=1:i
7       fprintf('*')
8     end
9    fprintf('
');
10 end
```
Problem MAT_2 (2 points)
According to MAT_1, please modify your program such that the program can ask the user to redo when the input is not a positive integer. (How could you know whether or not $n$ is an integer?)
(Hint: You may use a conditional statement.)

**Input**: $n$ (number of rows)
**Output**: print a triangle of stars with $n$ rows
clear all;
clc

% main
n=input('Please enter an positive integer:');
if (n>0) && (floor(n)==ceil(n))
    for i=1:1:n
        for j=1:i
            fprintf('*')
        end
    fprintf('
');
end
else
    disp('Wrong input.');
end
**Problem** MAT_3 (1 points)  
According to MAT_2, please modify your program such that the program can run until the user asks to terminate the program.  
(Hint: You may use a while loop.)

**Input:** n (number of rows)  
**Output:** print a triangle of stars with n rows
clear all;
clc

% main
n=0;
while (n~= -1)
    n=input('Please enter an positive ... integer (-1 to exit):

    if (n>0) && (floor(n)==ceil(n))
        for i=1:1:n
            for j=1:i
                fprintf('*')
            end
            fprintf('
');
        end
    elseif n== -1

6 7

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disp('Bye.');
break
else
disp('Wrong input.');
end
end