# Telerik Software Academy 2011 / 2012 – C# Fundamentals Part 1 – Test Exam

## Problem 3 – Trapezoid

Write a program that prints on the console the border of a trapezoid by given number **N**.

The width of the top side of the trapezoid must be exactly **N**.

The width of the bottom side of the trapezoid must be exactly **2 \* N**.

The height of the trapezoid must be exactly **N + 1**.

Also the top right and the bottom right angle of the trapezoid must be equal to 90 degrees.

See the examples bellow.

### Input

The input data is being read from the console.

On the only line in the console you are given an integer number **N**, showing the width of the smallest trapezoid side.

The input data will always be valid and in the format described. There is no need to check it explicitly.

### Output

The output data must be printed on the console.

You must write the border of the described trapezoid on the console.

Use the symbol “**\***” (asterisk) to mark the border of the trapezoid.

Use the symbol “.” (dot) to illustrate the empty spaces outside and inside the trapezoid.

### Constraints

* The number **N** is a positive integer between 3 and 39, inclusive.
* Allowed working time for your program: 0.25 seconds.
* Allowed memory: 16 MB.

### Examples

|  |  |
| --- | --- |
| **Input Examples** | **Output Examples** |
| 5 | .....\*\*\*\*\*  ....\*....\*  ...\*.....\*  ..\*......\*  .\*.......\*  \*\*\*\*\*\*\*\*\*\* |
| 10 | ..........\*\*\*\*\*\*\*\*\*\*  .........\*.........\*  ........\*..........\*  .......\*...........\*  ......\*............\*  .....\*.............\*  ....\*..............\*  ...\*...............\*  ..\*................\*  .\*.................\*  \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* |