

PROBLEM 9

Diamond Printer

This program will print a shape on the screen using asterisks ("*") characters.

The user will be prompted to enter an ODD number between 1 and 99 (you may assume test cases will not be beyond this range and that all test cases will be odd numbers). The shape that will be printed resembles a diamond, where the number provided by the user represents the number of *'s printed on the middle line. The line above and below will be centered and will have 2 less *'s than the middle line. This reduction by 2 *'s for each line continues until a line with a single * is printed at the top and bottom of the figure.

Example 1:

Enter an odd number (1-100): 1

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Example 2:

Enter an odd number (1-100): 5

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