

```

//By R2409
//Lab 7
//Due by 4/9/2024
//CIS 199-01

//Program displays an application allowing a user to
//input a number which will display the number of stars
//for each side

using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;

namespace Lab7
{
    internal class Program
    {
        static void Main() //Main method
        {
            int numofStars; //Entered number of stars
            bool valid; //Variable storing true or false

            do //Executes and initiates the loop once
            {
                Console.Write("Write down a number ");

                valid = int.TryParse(Console.ReadLine(), out numofStars) && (numofStars > 0);
                //TryParse used to parse number of stars input and executes
            }

            while (!valid); //Is read and tested after the code executes once

            Console.WriteLine(); //Break

            ShowSquareOfStars(numofStars); //Calls the ShowSquareOfStars method
        }

        public static void ShowSquareOfStars(int numStars) //Method header and delcaration
        {
            for (int rows = 1; rows <= numStars; ++rows) //Initiates a loop for the row of stars
            {
                for (int stars = 1; stars <= numStars; ++stars) //Loop for the number of stars
                                                                //displayed
                {
                    Console.Write("*"); //Represents stars
                    Console.WriteLine(); //Break
                }
            }
        }
    }
}

```

Write down a number 6

Press any key to continue . . . |