Program 1 Requirements (10 pts)
- Write either Program A or Program B below
- Make sure that coding style guidelines covered thus far are followed. However, the only comment needed is the class header documentation with @author and a description of the class.

    Program A: Using System output statements (e.g. print or println), write a program that will display the following house:

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

    Program B: Using System output statements (e.g. print or println), write a program that will display your initials with *'s or the letter of the initial. The height of each initial must span at least 6 lines.

Program 2 Requirements (10 pts)
  Write a program to
- Prompt for and retrieve two <u>integers</u> from the user. You will need to have previously declared two <u>descriptive</u> <u>integer</u> variables. You don't need more than 2 variables for this program, but you may use more if desired for holding the sum, product, etc.
- The program then calculates and displays the sum, product, difference, quotient (division), and remainder. If you do only use 2 variables and perform the calculations in the output statements, then be sure to use an extra set of parentheses around that calculation:
        Example: **(operand1 + operand2)**
- You must use a cast to prevent potential truncation for the quotient when an integer is divided by an integer.
- The exact output shown below must be matched, although your numbers may differ.
- Make sure that coding style guidelines covered thus far are followed. Be sure to use the class header documentation and use paragraphs of code preceded by a comment
                // Get integers from user
                Code here…

                // Display resulting calculations
                Code here…

Suppose 11 and 5 were entered	Suppose 123 and 12 were entered
Please enter the first positive integer: 11	Please enter the first positive integer: 123
Please enter the second positive integer: 5	Please enter the second positive integer: 12
Sum: 16	Sum: 135
Product: 55	Product: 1476
Difference: 6	Difference: 111
Quotient: 2.2	Quotient: 10.25
Remainder: 1	Remainder: 3

<u>Submission</u>
- Before class
    - Upload the .java files for each program to their respective lab drop boxes under Unit01
    - Print the .java files
- Beginning of class: Turn in the printed .java files.