Space Needle Programming Project

Write a program that produces the following figure using nested for loops. Your main method must call a printSpaceNeedle method with no parameter.

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## Part 1 Grading Scheme/Rubric

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| ***Functional Correctness*** | |
| Correctly define the main method. | 1 point |
| Correctly call the printSpaceNeedle method in main. | 1 point |
| Correctly define the printSpaceNeedle method with no parameter. | 1 point |
| Proper use of procedural decomposition.   * All work done in printSpaceNeedle (0 point) * Partial procedural decomposition (1 point) * Full procedure decomposition (2 points) | 2 points |
| Outer for-loop:   * Incorrect or missing outer for-loop (0 point) * With minor mistakes (1 point) * Proper use of init/condition/step (2 points) | 2 points |
| Inner for-loops:   * for-loop for space indentation (+1 point) * for-loops for body (+1 point) | 2 points |
| Correct output | 1 point |
| **Total** | **10 points** |
| ***Coding Style*** | |
| Readability: Indentation.  Good: 2 points, Fair: 1 point, Poor: 0 point | 2 points |
| Readability: Meaningful method and variable names.  Good: 2 points, Fair: 1 point, Poor: 0 point | 2 points |
| Readability: Comments/Documentation.  Good: 2 points, Fair: 1 point, Poor: 0 point | 2 points |
| Efficiency: Code duplication.  Good: 2 points, Fair: 1 point, Poor: 0 point | 2 point |
| Efficiency: Smart algorithm.  Good: 2 point, Fair: 1 point, Poor: 0 point | 2 point |
| **Total** | **10 points** |