

Style Guidelines (for Part B):

Use of for loops (nested as appropriate)

This program is intended to test your knowledge through lecture 5, especially nested `for` loops. If you like, you may also use the Java features from lectures 6 and 7 such as parameters, although you are not required to do so and will receive no extra credit for doing so. You may not use any Python constructs beyond lecture 7.

Use of functions for structure and elimination of redundancy

Continue to use functions to structure your solution in such a way that the functions match the structure of the output itself. Avoid significant redundancy; use functions so that no substantial groups of identical statements appear in your code. No `print` statements should appear in your `main` function. You do not need to use functions to capture redundancy in partial lines, such as the three groups of periods in the following line:

```
|.../\...\...\...\|
```

Source code aesthetics (commenting, indentation, identifier names)

No line of your code should be over 100 characters long.

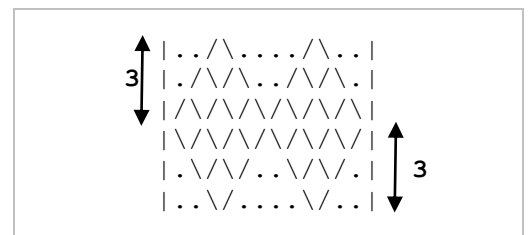
Give meaningful names to functions and variables in your code. Follow Python's naming standards about the format of `method_and_variable_names`, and `CONSTANT_NAMES`.

Include a comment header at the beginning of your program with basic information and a description of the program. **Also include a comment at the start of each function**, describing its behavior. Your comments should be in your own words.

Constant for figure's size

You should create one (and only one) constant to represent the size of the pieces of the figure. Use **3** as the default value of your constant to produce the figure shown above. Your figure must be based on that exact value to receive full credit.

On any given execution your program will produce just one version of the figure. However, you should refer to the constant throughout your code, so that by simply changing your constant's value and rerunning, your program would produce a figure of a different size. Your program should scale correctly for any constant value of 2 or greater.



Development Strategy (How to Get Started):

This program is best completed in stages. We strongly recommend the following development strategy:

1. **Tables:** Examine the output and write tables to discover the patterns of repeated characters on each line.
2. **Code w/o Constant:** Completely write the Python code to draw the Rocket Ship at its default size of 3.
3. **Code w/ Constant:** Add a constant to your code so that the ship can scale to different sizes.

To summarize, you should not worry about the constant at first. Write an initial program without a constant, using loop tables or pseudocode to help you deduce the patterns in the output. After your figure looks correct at the default size, begin a second version with the constant.