2/27/2017 Lab 2

Lab 2

Re-submit Assignment

Due Feb 2 by 11:59pm

Points 100

Submitting a file upload

CS-546 Lab 2

Modules and Basic Node

This week, you will be creating your first package and first module!

You will write 2 files this week; one of which will be a module, one of which will use that module.

- 1. **index.js**: This file will require printShape.js and print 10 triangles, 10 squares, and 10 rhombi of sizes of your choosing.
- 2. printShape.js: This module will provide several ways of printing shapes, each of a certain number of sizes;

printShape.js

This metric will print out a variety of shapes on your console

triangle(lines)

Given a variable representing the number of lines, will draw a triangle.

Input of 1:

/	\				

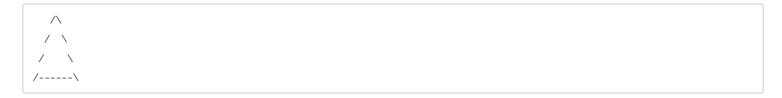
Input of 2:

\wedge			
/\			

Input of 4:

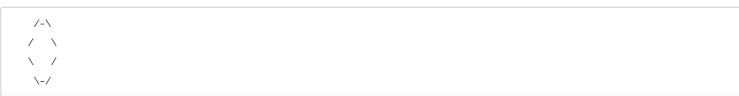


Input of 4:



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square(lines)			
Will print a square; must provide at least 2 lines.			
For the horizontal edges, use a			
Examples:			
Input of 2:			
I I			
Input of 3:			
rhombus(lines)			
Has to have a minimum of 2 lines, and must provide an even number of lines!			
Draws a rhombus on the screen.			
Examples:			
Input of 2:			
/-\ \-/			
Input of 4:			



Requirements

- 1. You **must not submit** your node_modules folder
- 2. You must remember to save your dependencies to your package.json folder
- 3. You must do basic error checking in each function
 - 1. Check for arguments existing and of proper type.
 - 2. Throw if anything is out of bounds (ie, trying to perform an incalculable math operation or accessing data that does not exist)
 - 3. If a function should return a promise, instead of throwing you should return a rejected promise.

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