1/29/2017 Lab 2

#### Lab 2

Submit Assignment

**Due** Thursday 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.

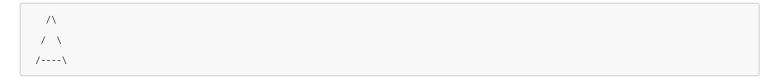
Input of 1:

| $\land$ |
|---------|
|---------|

Input of 2:

```
/\
/--\
```

Input of 4:



Input of 4:

### square(lines)

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Will print a square; must provide at least 2 lines. For the horizontal edges, use a -Examples: Input of 2: |--| |--| 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.