CS-546 Lab 2

Modules and Basic Node

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

Note: you will be building a script to test your code, not using prompt for this lab.

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;

Making a package

Make sure to initialize a package and name it `cs-546-lab-2` for this lab!

printShape.js

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

triangle(lines)

You will be given a variable representing the number of lines (in height) that a triangle should be. You will draw this triangle.

Input of 1:

```
/\
```

Input of 2:

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

Input of 3:

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

Input of 4:

```
/\
```

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

square(lines)

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 any dependencies you use 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)
4. You must submit this assignment in a zip file, with the name LastNameFirstNameLab2.zip.