Assignment 06 – Methods Are Your Madness

Due: Friday, November 10, 2017 @ 11:59pm

Methods (or functions or procedures or subroutines or whatever you call them) are *insanely* useful. Without them, any codebase of any appreciable complexity becomes a nightmarishly long cerebellum-punch. Ow.

To get you used to writing methods, in this assignment you'll be writing some static method libraries – like the Math one you've used a number of times over the last few months.

Oh, yeah – since reading documentation is something that you have to get used to if you want to be a developer, guess what you'll have to do in this assignment….

The Challenges

In the each of the four classes (`Banner`, `Depreciation`, `Dice`, and `MoneyFormat`), there is documentation for two methods you will need to implement. Go read the documentation – it's in the class files.

MAKE THIS HAPPEN:

1. Implement each of the methods as a public static method. (This is fancy-speak for "enter code in each method so that it does what it's supposed to do".)

NOTES:

- You can use your library methods like you would any of the methods in the Math library – for example, if you wanted to try out the `displayStandard` method in the Banner class with the string `"foo"`, you would call `Banner.displayStandard("foo")` in your code somewhere.
- Feel free to make your own class for trying out your methods – just put it in the BlueJ project, throw in a Java `main()` and call the methods you want to test.
- If you want to make any helper methods for your public methods, please mark them as private.
- For the `MoneyFormat` methods, you might find using `String.format()` very useful. How does it work? It's basically the same thing as `System.out.format()` … but it returns a formatted String instead of printing to the console. Further details can be found in the API.

Submission Instructions

Create a folder named `Asg06_`*`lastname_firstname`* and place your BlueJ project (the contents of the `solution` folder) in the folder. Submit your source code to the submit folder (`I:\Labs\CompSci\Submit\1501\00x`). If you are submitting your files via the web interface from off campus, you will need to compress your files into one .zip file.