Homework #1

Due: 2/5/26 by 5 PM

We are beginning our dive into Java programs with a simple demonstration of instantiation and definition. You will be required to define two Class's here. For this programming problem, submit your work to the Homework #1 link on Brightspace (and remember to ensure the .java files are included **and not .class files!**). There are two .java files expected (one for each class, defined below). We will look at homework submission again soon.

This assignment will likely be review from COS125, be careful to not underestimate it!

Write a small program that implements a parking lot manager. Your program should implement the following classes:

- **Book:**
  - Contains two strings for a *title* and *genre*
  - Implements a parameterized constructor for setting the above
  - Implements a ToString() method that will print *only* the title of the book

- **BookTester:**
  - Contains only a main method that performs the following:
    - Instantiate two different Book objects, with the following titles and genres
      - "The Heart of the Betrayed" – Crime
      - "One of a Kind" – Science Fiction
    - Print both of these book objects, one at a time, using System.out.println()
    - Create an array of Book's. This should contain at least two books.
    - Insert each book into the array, with the first book as index 0, and the second as index 1.
    - Write a for loop that prints each book from the array, in index order (so, index 0, then index 1)

Your output should appear in the console, and look like the following:

```
The Heart of the Betrayed
One of a Kind
The Heart of the Betrayed
One of a Kind
```

Note that your code will be checked for completion of each of the above, but if you arrive at this output and have followed the lists above, you're likely to be done.

When you're ready to submit your work, package your **.java files** (and not .class files) in a zip file using the following naming convention:

lastname-firstname-cos225-hw01.zip

Submit this .zip file containing each of the above .java files to Brightspace link for Homework #1. You must also submit your Github link for a repository containing *only* this code – place this link in your submission comments.