CSCD 211
Lab 2

PROGRAM SPECIFICATIONS

For this lab you will create a bunch of classes to solve the problem. You must have the appropriate @Override and enforce the appropriate preconditions. All parameters must be final.

CSCD211Lab2.java

I have provided a comprehensive main. You may not change this file.

CSCD211Lab2Methods.java

Public methods that you must write

- `fillArray` – must call the first EVC above for Book
- `menu`
- `printBooks`
- `readFileName`
- `addBook`
- `createBook` – must call the second EVC above for Book
- `getGenre`

The menu choices are
1. Print the books to the screen
2. Print the books to a file
3. Sort the book using compareTo
4. Sort the books by first author as a Comparator
5. Add a book
6. Quit

SPECIFICATIONS

- You must verify all values are in range menu, number of authors, etc.
- You must use my package for the FileUtil

FILE SPECIFICATIONS

\# of Books in the file
Title
ISBN
Pages
Genre
Pub Name
Pub City
Number of Authors
One Author per line

Genre strings are guaranteed to be one of the following in any case
- fiction
- non-fiction
- romance
- education
- sci-fi

TO TURN IN

A zip file, in Canvas, containing Lab2 folder :
- all packages
- all java files
- all input file(s) used to test your program program
- all output file(s)
- a test run named cscd211lab2out.txt – testing all aspects

We should be able to download the zip and compile your code, and then run your code.

Name your zip, your last name first letter of your first name lab2.zip (Example: steinerslab2.zip)