

COMP 1409 Lab 10-a (2 points)

In-class lab

For this lab you will work with Lab 8-b. Add the following methods to class **BookStore**.

- A method called `donateBook()`. Here is the method signature:

```
public int donateBook(int yearPublished)
```

This method takes an int parameter. Using an iterator and a while loop the method removes all the books published in the given year or earlier from the collection. The method keeps a count of how many books are removed and returns the number of removed books after the loop ends.

- A method called `applyDiscountToBooks()`. Here is the method signature:

```
public void applyDiscountToBooks (int beginYear, int endYear)
```

This method takes two int parameters. It iterates through the collection and adjusts the price of all books published between the given parameters (inclusive) to get a 15% discount off the price of each book published between those given years.

- A method called `loadBooks()`. Here is the method signature:

```
public void loadBooks()
```

This method creates 3 anonymous book objects and adds them to the arraylist.

Demonstrate your completed project to your instructor or TA before leaving the lab and be sure we have checked it off. A suggested solution will be given during the next class and labs that have not been checked off will not receive any points.