

Homework assignment 06

Just one assignment for this week!

Programming assignment

Library System (100 points)

Write a class that can be used to describe books including the following information:

- Title
- Author
- Year published
- Page count
- Genre
- A running count of how many books have been entered

Then write a test class that asks a user to enter the number of books to store, and let's the user enter each piece of information for each book. Write a method that prints out a summary for each book entered.

Example run of the program (with my responses entered):

```
How many books would you like to enter: 2
Please enter the title: The Hobbit
Please enter the author: J. R. R. Tolkien
Please enter the year published: 1937
Please enter how many pages the book has: 303
Please enter the genre: Fantasy
```

```
Please enter the title: Ross Poldark
Please enter the author: Winston Graham
Please enter the year published: 1945
Please enter how many pages the book has: 393
Please enter the genre: Historical Fiction
```

```
The Hobbit written by J. R. R. Tolkien was published in 1937, has 303 pages and is of
the Fantasy genre.
Ross Poldark written by Winston Graham was published in 1945, has 393 pages and is of
the Historical Fiction genre.
There are 2 books in the system
```

Note:

- When writing your class, be sure to use encapsulation (getters and setters) and private and static modifiers when appropriate



Remember that comments and good naming conventions factor into your grade! Don't forget.