Lab 4 - Library Project

Project Description

The main goal of this project is to develop a simple library system. The program should be able to add books and students, assign books to students and print all necessary information.

Requirements

**Structural requirements**

Fields of Book.java class:

- title: String

- author: String

- isbn: String

- year: int

- quantity: int

Fields of Student.java class:

- id: int

- name: String

- surname: String

- group: String

- borrowedBooks: ArrayList<Book>

Fields of Library.java class:

- books: ArrayList<Book>

- students: ArrayList<Student>

note: - private; + public; #protected; or default if not shown any

**Functional Requirements**

* User should be able to add a new book
* User should be able to add a new student
* User should be able to assign a certain book to a certain student
* User should be able to remove a certain book from a certain student
* Program should print information about all books and students in Library
* Program should print all books that’s currently assigned to a certain student

**Note**: in the archive you will find class files, inside of which exact instructions are given as comments

Test all functions of your program in Main.java