## Task 7

## Create three classes

- Book with fields author, title and body (of type String);
- Shelf with fields id (String) and books array of Books;
- **Library** with only one field shelves array of shelves.

All fields must be **private**. Provide necessary constructors and getters. In class **Library** add a method **countAuthor** which counts (and returns as an **int**) the number of books in the library written by author whose name (**String**) is passed as an argument to the method. In a separate class define function **main** 

```
download ObjsII1Lib.java
    public static void main (String[] args) {
        Shelf shelf1 = new Shelf("Shelf1",
             new Book[]{
                 new Book("Babel","Odessa Tales","babelode"),
                 new Book("Joyce", "Ulisses", "joyceuli")
             });
        Shelf shelf2 = new Shelf("Shelf2",
             new Book[]{
                 new Book("Mann","Dr Faustus","mannfau"),
                 new Book("Babel", "Red Cavalry", "babelred")
             });
        Library lib = new Library(
                 new Shelf[]{shelf1,shelf2});
        System.out.println("# of books by this author: " +
                                   lib.countAuthor("Babel"));
    }
which, for this example, should print
    No of book by this author: 2
```

Deadline: May 23 (inclusive)

Put yout Java file(s), and only Java files, in a directory the name of which is your surname (without Polish or any other non-ASCII characters). Names of Java files are arbitrary, although of course they should correspond to names of classes you created. Zip the whole directory ("from above" — not just the files inside it). Then drop the zip file created in this way into folder "Tasks / Task\_XX" of the GAKKO system (where 'XX' is the task number).