This HW is a practice of what we recently did in class: *extending one class while implementing an interface*.

The goal of this coding exercise is to create two classes BookstoreBook and LibraryBook. Both of those classes inherit from the class Book {author, tiltle, isbn and year as private data members}, and implement the interface Codable.

The interface Codable has one signature { String createCode( ); } that is, when implemented, returns a code in the form of a string as follows:

- The code of a library book is a string of the form: **[general subject-author-title-year]**

Example: **[bio-emily jones-the origin of species-1965]** means that *Biology* is the general subject, *Emily Jones* is the author, *The Origin of Species* is the title, and this book was published in *1965*.

- The code of a bookstore book is a string of the form: [isbn-author-price]

Example: **[23654585-emily jones-89.99]** means that *23654585* is the isbn, *Emily Jones* is he author, and *89.99* is the price of the book.

Your code will be tested with a code similar to (==*So please have the same code below in your main method*==):

```
Book b1 = new LibraryBook("Emily jones", "The OrigiN of SPEciEs", "23654585", 1965, "bio"),

 b2 = new BookstoreBook("Emily Jones", "The Origin of SPEciEs", "23654585", 89.99,1965);


System.out.println (b1.createCode()); //prints [bio-emily jones-the origin of species-1965] to the screen

System.out.println (b2.createCode()); // prints [23654585-emily jones-89.99]  to the screen


System.out.println (b1);
```
//the above line should print: the origin of species by emily jones published in 1965, biology

```
System.out.println (b2);
```
//the above line prints: 23654585: the origin of species by emily jones published in 1965, $89.99

Additional instructions:

- The list of subjects to consider are : **bio** (biology), **acc**(accounting), **psy** (psychology), and **rel** (religion).

- Your code won't be tested for any other subjects so there will be no need to check for that nor for something like a wrong format for a year or price of the book. Also, there is no need to check extra while spaces in names or titles…

- Make sure that your Java program doesn't contain redundant code!

- Please try to have everything in one .java file to submit on Webcourses