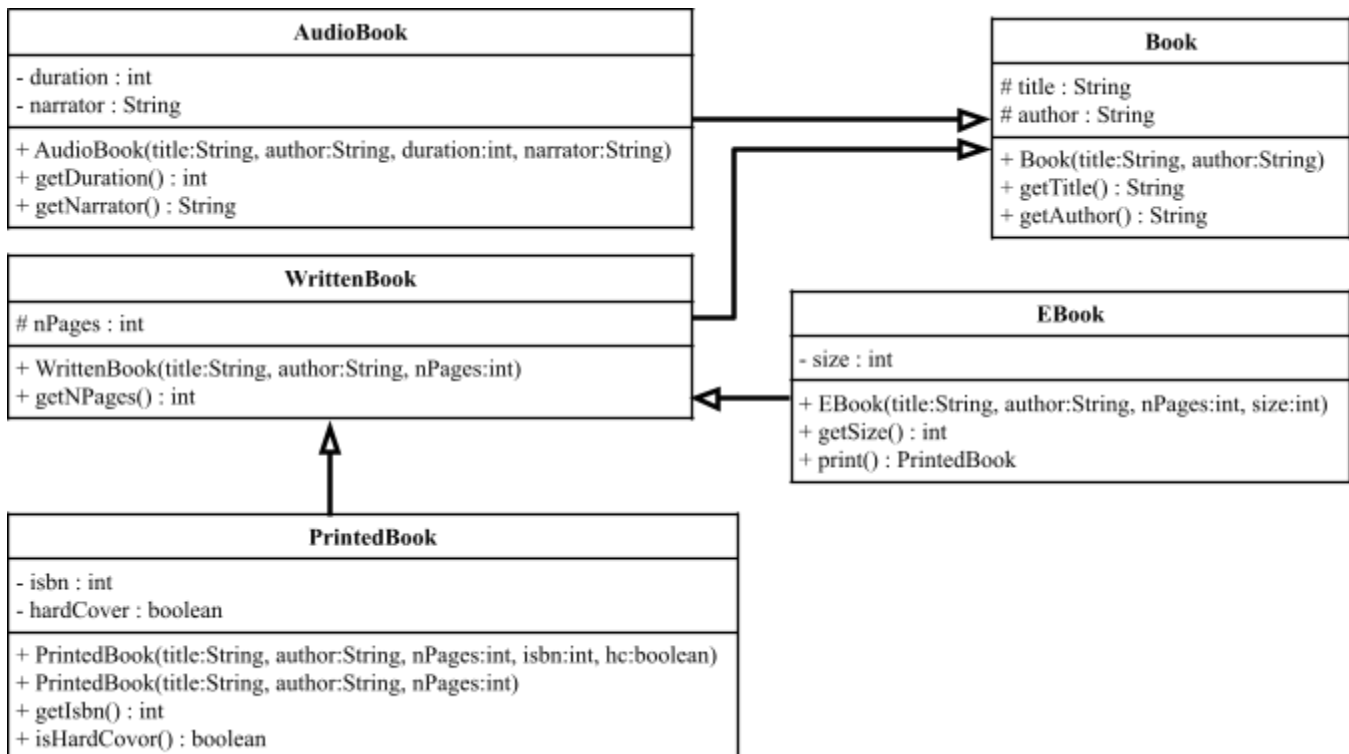


Submission rules:

1. **Due date: Sunday, September 25th, 2022 at 11:59 pm**
2. You can discuss answers with your colleagues. **But no copying.**
3. Submit it to lms.ksu.edu.sa. **Email submissions will not be accepted.**
4. The exported project name must be: **Lab02_ID_FirstName_LastName.zip**.
5. Use the default package.
6. **You are not allowed Java Collections like (List, ArrayList, LinkedList ... etc). Use an array otherwise you will receive a ZERO.**
7. Write your name and university ID as a comment at the start of all java files.
8. Make sure to use the correct spelling for classes, methods, and variables.

Lab Exercise 1



Class *Book*:

Attributes:

- *title*: represent the title of the book.
- *author*: represent the author of the book

Methods:

- *Book(title:string, author:string)*: a constructor.
- *getTitle()*: title getter.
- *getAuthor()*: author getter.

Class *AudioBook*:

Attributes:

- *duration*: length of the audio clip in minutes.
- *narrator*: name of the person whose voice is recorded.

Methods:

- *AudioBook(title:string, author:string, duration:int, narrator:string)*: a constructor.
- *getDuration()*: duration getter.
- *getNarrator()*: narrator getter.

Class *WrittenBook*:

Attributes:

- *nPages*: count of the pages of the book.

Methods:

- *WrittenBook(title:string, author:string, nPages:int)*: a constructor.
- *getNPages()*: nPages getter.

Class *PrintedBook*:

Attributes:

- *isbn*: the international standard book number.
- *hardCover*: it's true if the book has a hardcover, false otherwise.

Methods:

- ***PrintedBook(title:string, author:string, nPages:int, isbn:int, hardCover:boolean)***: a constructor.
- ***PrintedBook(title:string, author:string, nPages:int)***: a constructor. It initializes isbn to 0 and hardCover to false.
- ***getIsbn()***: isbn getter.
- ***isHardCover()***: hardCover getter.

Class ***EBook***:

Attributes:

- ***size***: storage size of the ebook file in MBs.

Methods:

- ***EBook(title:string, author:string, nPages:int, size:int)***: a constructor.
- ***getSize()***: size getter.
- ***print()***: returns an object of type **PrintedBook** that has that same title, author and nPages as the current **EBook**.