



Book class:

Attributes:

- title: the title of the book
- author: the author of the book

Methods:

- Book(title: String, author: int): constructor
- getTitle(): this method returns the title of the book
- getAuthor(): this method returns the author of the book
- toString(): returns the object’s info in this format: ‘Title: *title*, Author: *author*’

AudioBook class:

Attributes:

- duration: the length of the audio file in minutes
- narrator: the name of the person reading the book

Methods:

- `AudioBook(title: String, author: String, duration: int, narrator: String)`: constructor
- `getDuration()`: this method returns the duration of the audio book
- `getNarrator()`: this method returns the name of the narrator
- `toString()`: returns the object's info in this format: 'Title: *title*, Author: *author*, Format: Audio, Duration: *duration*, Narrator: *narrator*'

WrittenBook class:

Attributes:

- `nPages`: the number of pages of the book

Methods:

- `WrittenBook(title: String, author: String, nPages: int)`: constructor
- `getNPages ()`: this method returns the number of pages of the book
- `toString()`: returns the object's info in this format: 'Title: *title*, Author: *author*, Format: Written, number of pages: *nPages*'

PrintedBook class:

Attributes:

- `ISBN`: the International Standard Book Number of the book
- `hardcover`: true if the book is hardcover, false otherwise

Methods:

- `PrintedBook(title: String, author: String, nPages: int, ISBN: int, hardcover: boolean)`: constructor
- `PrintedBook(title: String, author:String, nPages: int)`: constructor that initializes ISBN to 0 and hardcover to false
- `getISBN()`: this method returns the ISBN of the book
- `getCoverType()`: returns a string specifying if the book is hardcover or paperback
- `toString()`: returns the object's info in this format: 'Title: *title*, Author: *author*, Format: Written, number of pages: *nPages*, Printed, ISBN: *ISBN*, hardcover/paperback'

EBook class:

Attributes:

- `size`: the size of the ebook in MBs

Methods:

- `EBook(title: String, author: String, nPages: int, size: int)`: constructor
- `getSize()`: this method returns the size of the ebook
- `print()`: this method returns the current Ebook as an object of type `PrintedBook`
- `toString()`: returns the object's info in this format: 'Title: *title*, Author: *author*, Format: Written, number of pages: *nPages*, Ebook, size: *sizeMB*'

Exercise: Translate into Java-code the previous classes.