

Class Book

java.lang.Object
Item
Book

All Implemented Interfaces:

Borrowable

```
public class Book
extends Item
```

This is a simple Book class extends from Item class.

Constructor Summary

Constructors	
Constructor	Description
<code>Book(Book book)</code>	The null book object.
<code>Book(String type, int id, String title, boolean borrowed, String author, int version)</code>	Parameterized constructor to initialize a Item object with given values for id, type, title, year, borrowed.

Method Summary

All Methods	Instance Methods	Concrete Methods
Modifier and Type	Method	Description
void	<code>changeAuthor(String newName)</code>	Method to change the author name of the book.
void	<code>changeVersion(int newVersion)</code>	Method to change the version of the book.
Book	<code>clone()</code>	This method creates a deep copy of this object.
String	<code>getAuthor()</code>	Method to return the author of the book.
String	<code>getType()</code>	Method to return the type of the item.
int	<code>getVersion()</code>	Method to return the version of the book.
void	<code>printInfo()</code>	Method to print the information of the book

String**toString()**

Method to show how to print inside the test file.

Methods inherited from class `Item``borrow`, `changeTitle`, `changeType`, `checkItem`, `compareBorrow`, `compareReturn`, `equals`, `getBorrowed`, `getId`, `getTitle`, `isAvailable`, `isUnavailable`, `returnItem`**Methods inherited from class `java.lang.Object`**`getClass` , `hashCode` , `notify` , `notifyAll` , `wait` , `wait` , `wait`***Constructor Details*****Book**

```
public Book(String type,
            int id,
            String title,
            boolean borrowed,
            String author,
            int version)
```

Parameterized constructor to initialize a `Item` object with given values for id, type, title, year, borrowed.

Parameters:

id - The id of the book.

type - The type of the book.

title - The title of the book.

borrowed - The flag to check whether this book is borrowed or not.

author - The author of the book.

version - The version of the book.

Book

```
public Book(Book book)
```

The null book object.

Parameters:

book - The object of the book

Method Details

getAuthor

```
public String getAuthor()
```

Method to return the author of the book.

Returns:

a string value.

getVersion

```
public int getVersion()
```

Method to return the version of the book.

Returns:

a integer value.

changeAuthor

```
public void changeAuthor(String newName)
```

Method to change the author name of the book.

Parameters:

newName - the new name of the author.

changeVersion

```
public void changeVersion(int newVersion)
```

Method to change the version of the book.

Parameters:

newVersion - the number of the version.

clone

```
public Book clone()
```

This method creates a deep copy of this object.

Overrides:

`clone` in class `Item`

Returns:

a deep copy of this object.

getType

```
public String getType()
```

Method to return the type of the item.

Overrides:

`getType` in class `Item`

Returns:

a string value.

toString

```
public String toString()
```

Method to show how to print inside the test file.

Overrides:

`toString` in class `Item`

Returns:

a string value.

printInfo

```
public void printInfo()
```

Method to print the information of the book

Overrides:

`printInfo` in class `Item`