Class Book

java.lang.Object⎘
    Book

```
public class Book
extends Object⎘
```

Class to store meta data and some basic functions of a book to implement functions on books.

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Field Summary

Fields

Modifier and Type	Field	Description
(package private) **String**⎘	**authors**	
(package private) **String**⎘	**fileName**	
(package private) **String**⎘	**genre**	
(package private) **String**⎘	**name**	
(package private) **Double**⎘	**price**	
(package private) **String**⎘	**publication**	

Constructor Summary

Constructors

Constructor	Description
Book(**String**⎘ fileName, **String**⎘ name, **String**⎘ publication, **String**⎘ authors, **String**⎘ genre, **Double**⎘ price)	framing book details .

Method Summary

All Methods	Static Methods	Instance Methods	Concrete Methods

Modifier and Type	Method	Description
boolean	**checkAuthor**(**String**⎘ author)	To check for the author of the book

boolean	**checkFile**(**String** fileName)	To check whether the name of the file matches or not
boolean	**checkGenre**(**String** genre)	To check for the genre of the book
boolean	**checkName**(**String** name)	To check for the name of the book
boolean	**checkPublication**(**String** publication)	To check for the publication of the book
static **Book**	**fromCsvLine**(**String** csvLine)	To convert fields form the lines of csv file to book for book list
void	**openBook**()	To open the book in windows
String	**toCsvLine**()	To produce csv file lines
String	**toString**()	To convert book's details to a single string.

Methods inherited from class java.lang.**Object**

clone, equals, getClass, hashCode, notify, notifyAll, wait, wait, wait

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Field Details

fileName

String fileName

name

String name

publication

String publication

authors

String authors

genre

String genre

price

Double price

Constructor Details

Book

```
public Book(String fileName,
            String name,
            String publication,
            String authors,
            String genre,
            Double price)
```

framing book details .

Parameters:

fileName -

name -

publication -

authors -

genre -

price -

Method Details

fromCsvLine

```
public static Book fromCsvLine(String csvLine)
```

To convert fields form the lines of csv file to book for book list

Parameters:

csvLine -

Returns:

new Book

checkFile

```
public boolean checkFile(String  fileName)
```

To check whether the name of the file matches or not

Parameters:

fileName -

Returns:

true if the names are same.

checkName

```
public boolean checkName(String  name)
```

To check for the name of the book

Parameters:

name -

Returns:

boolean

checkAuthor

```
public boolean checkAuthor(String  author)
```

To check for the author of the book

Parameters:

author -

Returns:

boolean

checkGenre

```
public boolean checkGenre(String  genre)
```

To check for the genre of the book

Parameters:

genre -

Returns:

boolean

checkPublication

```
public boolean checkPublication(String  publication)
```

To check for the publication of the book

Parameters:

publication -

Returns:

boolean

openBook

```
public void openBook()
              throws IOException
```

To open the book in windows

Throws:

IOException

toCsvLine

```
public String toCsvLine()
```

To produce csv file lines

Returns:

comma seperated variables string

toString

```
public String toString()
```

To convert book's details to a single string.

Overrides:

toString in class Object

Returns:

string line