

Class BookFileManager

java.lang.Object
BookFileManager

```
public class BookFileManager
extends Object
```

Class to maintain functions for managing the books

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Field Summary

Fields		
Modifier and Type	Field	Description
(package private) List<Book>	books	
(package private) static Scanner	sc	

Constructor Summary

Constructors	
Constructor	Description
BookFileManager()	To load books to the list.

Method Summary

All Methods	Static Methods	Instance Methods	Concrete Methods
Modifier and Type	Method		Description
List<Integer>	filterByAuthor(String author)		To filter out the books by author
List<Integer>	filterByGenre(String genre)		To filter out the books by genre
List<Integer>	filterByIDs(List<String> ID)		To filter book for user's read List
List<Integer>	filterByName(String name)		To filter out the books by name.
List<Integer>	filterByPublication(String publication)		To filter out the books by Publication

static	List <Book>	loadBooks()	To fetch list of books from the csv file
static void		main(String[] args)	To test all the fuctions running properly
boolean		newBook()	To add new book in the list
void		removeBook()	To remove book from the book list
void		saveBooks()	Saves list of books to the csv file
void		showAllBooks()	TO display all books
void		showBooks(List<Integer> > indexes)	function to display list of books

Methods inherited from class [java.lang.Object](#)

[clone](#), [equals](#), [getClass](#), [hashCode](#), [notify](#), [notifyAll](#), [toString](#), [wait](#), [wait](#), [wait](#)

Field Details

sc

[static](#) [Scanner](#) sc

books

[List](#)<Book> books

Constructor Details

BookFileManager

BookFileManager()

To load books to the list.

Method Details

main

```
public static void main(String[] args)
    throws IOException
```

To test all the fuctions running properly

Parameters:

args -

Throws:

[IOException](#)

newBook

```
public boolean newBook()
```

To add new book in the list

Returns:

true if book is saved properly

showBooks

```
public void showBooks(List<Integer> indexes)
```

function to display list of books

Parameters:

books -

showAllBooks

```
public void showAllBooks()
```

TO display all books

saveBooks

```
public void saveBooks()
```

Saves list of books to the csv file

loadBooks

```
public static List<Book> loadBooks()
```

To fetch list of books from the csv file

Returns:

list of books

filterByName

```
public List<Integer> filterByName(String name)
```

To filter out the books by name.

Parameters:

name -

Returns:

Filtered list of books

filterByAuthor

```
public List<Integer> filterByAuthor(String author)
```

To filter out the books by author

Parameters:

author -

Returns:

Filtered list of books

filterByGenre

```
public List<Integer> filterByGenre(String genre)
```

To filter out the books by genre

Parameters:

genre -

Returns:

Filtered list of books

filterByPublication

```
public List<Integer> filterByPublication(String publication)
```

To filter out the books by Publication

Parameters:

publication -

Returns:

Filtered list of books

filterByIds

```
public List<Integer> filterByIds(List<String> ID)
```

To filter book for user's read List

Parameters:

ID -

Returns:

List of books

removeBook

```
public void removeBook()
```

To remove book from the book list