| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/Book.html) | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PREV CLASS   [**NEXT CLASS**](http://docs.google.com/java/awt/print/Pageable.html) | [**FRAMES**](http://docs.google.com/index.html?java/awt/print/Book.html)    [**NO FRAMES**](http://docs.google.com/Book.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#tyjcwt) | [METHOD](#3dy6vkm) | DETAIL: FIELD | [CONSTR](#4d34og8) | [METHOD](#17dp8vu) |

## **java.awt.print**

Class Book

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **java.awt.print.Book**

**All Implemented Interfaces:** [Pageable](http://docs.google.com/java/awt/print/Pageable.html)

public class **Book**extends [Object](http://docs.google.com/java/lang/Object.html)implements [Pageable](http://docs.google.com/java/awt/print/Pageable.html)

The Book class provides a representation of a document in which pages may have different page formats and page painters. This class uses the [Pageable](http://docs.google.com/java/awt/print/Pageable.html) interface to interact with a [PrinterJob](http://docs.google.com/java/awt/print/PrinterJob.html).

**See Also:**[Pageable](http://docs.google.com/java/awt/print/Pageable.html), [PrinterJob](http://docs.google.com/java/awt/print/PrinterJob.html)

| **Field Summary** | |
| --- | --- |

| **Fields inherited from interface java.awt.print.**[**Pageable**](http://docs.google.com/java/awt/print/Pageable.html) |
| --- |
| [UNKNOWN\_NUMBER\_OF\_PAGES](http://docs.google.com/java/awt/print/Pageable.html#UNKNOWN_NUMBER_OF_PAGES) |

| **Constructor Summary** | |
| --- | --- |
| [**Book**](http://docs.google.com/java/awt/print/Book.html#Book())()            Creates a new, empty Book. |

| **Method Summary** | |
| --- | --- |
| void | [**append**](http://docs.google.com/java/awt/print/Book.html#append(java.awt.print.Printable,%20java.awt.print.PageFormat))([Printable](http://docs.google.com/java/awt/print/Printable.html) painter, [PageFormat](http://docs.google.com/java/awt/print/PageFormat.html) page)            Appends a single page to the end of this Book. |
| void | [**append**](http://docs.google.com/java/awt/print/Book.html#append(java.awt.print.Printable,%20java.awt.print.PageFormat,%20int))([Printable](http://docs.google.com/java/awt/print/Printable.html) painter, [PageFormat](http://docs.google.com/java/awt/print/PageFormat.html) page, int numPages)            Appends numPages pages to the end of this Book. |
| int | [**getNumberOfPages**](http://docs.google.com/java/awt/print/Book.html#getNumberOfPages())()            Returns the number of pages in this Book. |
| [PageFormat](http://docs.google.com/java/awt/print/PageFormat.html) | [**getPageFormat**](http://docs.google.com/java/awt/print/Book.html#getPageFormat(int))(int pageIndex)            Returns the [PageFormat](http://docs.google.com/java/awt/print/PageFormat.html) of the page specified by pageIndex. |
| [Printable](http://docs.google.com/java/awt/print/Printable.html) | [**getPrintable**](http://docs.google.com/java/awt/print/Book.html#getPrintable(int))(int pageIndex)            Returns the [Printable](http://docs.google.com/java/awt/print/Printable.html) instance responsible for rendering the page specified by pageIndex. |
| void | [**setPage**](http://docs.google.com/java/awt/print/Book.html#setPage(int,%20java.awt.print.Printable,%20java.awt.print.PageFormat))(int pageIndex, [Printable](http://docs.google.com/java/awt/print/Printable.html) painter, [PageFormat](http://docs.google.com/java/awt/print/PageFormat.html) page)            Sets the PageFormat and the Painter for a specified page number. |

| **Methods inherited from class java.lang.**[**Object**](http://docs.google.com/java/lang/Object.html) |
| --- |
| [clone](http://docs.google.com/java/lang/Object.html#clone()), [equals](http://docs.google.com/java/lang/Object.html#equals(java.lang.Object)), [finalize](http://docs.google.com/java/lang/Object.html#finalize()), [getClass](http://docs.google.com/java/lang/Object.html#getClass()), [hashCode](http://docs.google.com/java/lang/Object.html#hashCode()), [notify](http://docs.google.com/java/lang/Object.html#notify()), [notifyAll](http://docs.google.com/java/lang/Object.html#notifyAll()), [toString](http://docs.google.com/java/lang/Object.html#toString()), [wait](http://docs.google.com/java/lang/Object.html#wait()), [wait](http://docs.google.com/java/lang/Object.html#wait(long)), [wait](http://docs.google.com/java/lang/Object.html#wait(long,%20int)) |

| **Constructor Detail** |
| --- |

### Book

public **Book**()

Creates a new, empty Book.

| **Method Detail** |
| --- |

### getNumberOfPages

public int **getNumberOfPages**()

Returns the number of pages in this Book.

**Specified by:**[getNumberOfPages](http://docs.google.com/java/awt/print/Pageable.html#getNumberOfPages()) in interface [Pageable](http://docs.google.com/java/awt/print/Pageable.html) **Returns:**the number of pages this Book contains.

### getPageFormat

public [PageFormat](http://docs.google.com/java/awt/print/PageFormat.html) **getPageFormat**(int pageIndex)  
 throws [IndexOutOfBoundsException](http://docs.google.com/java/lang/IndexOutOfBoundsException.html)

Returns the [PageFormat](http://docs.google.com/java/awt/print/PageFormat.html) of the page specified by pageIndex.

**Specified by:**[getPageFormat](http://docs.google.com/java/awt/print/Pageable.html#getPageFormat(int)) in interface [Pageable](http://docs.google.com/java/awt/print/Pageable.html) **Parameters:**pageIndex - the zero based index of the page whose PageFormat is being requested **Returns:**the PageFormat describing the size and orientation of the page. **Throws:** [IndexOutOfBoundsException](http://docs.google.com/java/lang/IndexOutOfBoundsException.html) - if the Pageable does not contain the requested page

### getPrintable

public [Printable](http://docs.google.com/java/awt/print/Printable.html) **getPrintable**(int pageIndex)  
 throws [IndexOutOfBoundsException](http://docs.google.com/java/lang/IndexOutOfBoundsException.html)

Returns the [Printable](http://docs.google.com/java/awt/print/Printable.html) instance responsible for rendering the page specified by pageIndex.

**Specified by:**[getPrintable](http://docs.google.com/java/awt/print/Pageable.html#getPrintable(int)) in interface [Pageable](http://docs.google.com/java/awt/print/Pageable.html) **Parameters:**pageIndex - the zero based index of the page whose Printable is being requested **Returns:**the Printable that renders the page. **Throws:** [IndexOutOfBoundsException](http://docs.google.com/java/lang/IndexOutOfBoundsException.html) - if the Pageable does not contain the requested page

### setPage

public void **setPage**(int pageIndex,  
 [Printable](http://docs.google.com/java/awt/print/Printable.html) painter,  
 [PageFormat](http://docs.google.com/java/awt/print/PageFormat.html) page)  
 throws [IndexOutOfBoundsException](http://docs.google.com/java/lang/IndexOutOfBoundsException.html)

Sets the PageFormat and the Painter for a specified page number.

**Parameters:**pageIndex - the zero based index of the page whose painter and format is alteredpainter - the Printable instance that renders the pagepage - the size and orientation of the page **Throws:** [IndexOutOfBoundsException](http://docs.google.com/java/lang/IndexOutOfBoundsException.html) - if the specified page is not already in this Book [NullPointerException](http://docs.google.com/java/lang/NullPointerException.html) - if the painter or page argument is null

### append

public void **append**([Printable](http://docs.google.com/java/awt/print/Printable.html) painter,  
 [PageFormat](http://docs.google.com/java/awt/print/PageFormat.html) page)

Appends a single page to the end of this Book.

**Parameters:**painter - the Printable instance that renders the pagepage - the size and orientation of the page **Throws:** NullPointerException - If the painter or page argument is null

### append

public void **append**([Printable](http://docs.google.com/java/awt/print/Printable.html) painter,  
 [PageFormat](http://docs.google.com/java/awt/print/PageFormat.html) page,  
 int numPages)

Appends numPages pages to the end of this Book. Each of the pages is associated with page.

**Parameters:**painter - the Printable instance that renders the pagepage - the size and orientation of the pagenumPages - the number of pages to be added to the this Book. **Throws:** NullPointerException - If the painter or page argument is null

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/Book.html) | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PREV CLASS   [**NEXT CLASS**](http://docs.google.com/java/awt/print/Pageable.html) | [**FRAMES**](http://docs.google.com/index.html?java/awt/print/Book.html)    [**NO FRAMES**](http://docs.google.com/Book.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
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[Submit a bug or feature](http://bugs.sun.com/services/bugreport/index.jsp)

For further API reference and developer documentation, see [Java SE Developer Documentation](http://docs.google.com/webnotes/devdocs-vs-specs.html). That documentation contains more detailed, developer-targeted descriptions, with conceptual overviews, definitions of terms, workarounds, and working code examples.

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