

Book Class:

function getTitle(), this function returns the title of a book.

function getAuthor(), this function returns the Author of a book.

function getPublicationDate(), this function returns the PublicationDate of a book.

function getPublicationPlace(), this function returns the PublicationPlace of a book.

function getISBN(), this function returns the ISBN of a book.

Stock Class:

function getBook(), this function returns a book of the Stock.

function getBooktitle(), this function returns a book title of a book in the Stock.

function numberOfCopies(), this function returns the number of copies of a book in the Stock

function addCopies(int numberOfCopies), returns the previous number of copies + numberOfCopies.

function removeCopies(int numberOfCopies), returns the previous number of copies - numberOfCopies.

function totalPrice(), return the price of a book in the Stock.

Catalog Class:

The catalog Class only contains a constructor and uses the method readCatalog to create a LinkedList of Arrays of type String and then we iterate through that list to save the information of each book such as the author, title, price, etc. in the collection.

ShoppingCart class:

This class contains a catalog which we use for the constructor.

function addCopies(), this method removes copies from the BookCollection and adds a new copy to the Shopping Cart catalog.

function removeCopies(), this method does the reverse of what addCopies() do. So it adds a copy to BookCollection and removes one from the Shopping Cart catalog.

function totalPrice(), total price computes the total price of all the books on our Shopping cart. This is computed by getting the number of copies and multiplying them by the price of that book.

function checkout(), this function calls doPayment and executes the pay for the output of the totalPrice function subtracting the amount from the total money account.