This is the bad and unsafe way to do it...

```java
import java.util.*;

public class Shelf {
    private LinkedList bookshelf;

    public Shelf() {
        bookshelf = new LinkedList();
    }

    public void add(Book b) {
        bookshelf.add(b);
    }

    public void list() {
        System.out.println("Books in this shelf:");
    
        Iterator it = bookshelf.iterator();
        while (it.hasNext()) {
            Book b = (Book) it.next();
            System.out.println("  " + (int) b.year + " : " + b.title);
        }
    }

    public static void main(String[] args) {
        Shelf books = new Shelf();

        books.add(new Book("Java in a nutshell", "David Flanagan", (char) 96));
        books.add(new Book("The TeXbook", "Donald Knuth", (char) 86));
        books.add(new Book("UNIX in a nutshell", "Arnold Robbins", (char) 89));

        books.list();
    }
}
```
Bad and unsafe cont.

public class Book {
    public String title;
    public String author;
    public char year;

    public Book(String t, String a, char y) {
        title = t;
        author = a;
        year = y;
    }
}

hamberg> javac Shelf.java
hamberg> java Shelf
Books in this shelf:
  96 : Java in a nutshell
  86 : The TeXbook
  89 : UNIX in a nutshell
The safe and sound way to do it.

```java
import java.util.*;

public class Shelf {
    private LinkedList bookshelf;

    public Shelf() {
        bookshelf = new LinkedList();
    }

    public void add(Book b) {
        bookshelf.add(b);
    }

    public void list() {
        System.out.println("Books in this shelf:");
        Iterator it = bookshelf.iterator();
        while (it.hasNext()) {
            Book b = (Book) it.next();
            System.out.println("  " + b.getYear() + " : " + b.getTitle());
        }
    }

    public static void main(String[] args) {
        Shelf books = new Shelf();
        books.add(new Book("Java in a nutshell", "David Flanagan", 1996));
        books.add(new Book("The TeXbook", "Donald Knuth", 1986));
        books.add(new Book("UNIX in a nutshell", "Arnold Robbins", 1989));
        books.list();
    }
}
```
public class Book {
    private String title;
    private String author;
    private int year;

    public Book(String t, String a, int y) {
        title = t;
        author = a;
        year = y;
    }

    public String getTitle() {
        return title;
    }

    public String getAuthor() {
        return author;
    }

    public int getYear() {
        return year;
    }

    public void setTitle(String t) {
        title = t;
    }

    public void setAuthor(String a) {
        author = a;
    }

    public void setYear(int y) {
        year = y;
    }
}