package day3;

public class Book {

private int id;

private String sbn;

private String title;

private String author;

private int price;

public Book(int id, String sbn, String title, String author, int price) {

this.id = id;

this.sbn = sbn;

this.title = title;

this.author = author;

this.price = price;

}

public int getId() {

return id;

}

public String getSbn() {

return sbn;

}

public String getTitle() {

return title;

}

public String getAuthor() {

return author;

}

public int getPrice() {

return price;

}

public void setPrice(int price) {

this.price = price;

}

public String toString() {

return "Book [id=" + id + ", sbn=" + sbn + ", title=" + title + ",

author=" + author + ", price=" + price + "]";

}

}

import java.util.\*;

import java.io.\*;

public class BookApp {

private List<Book> books;

public BookApp() {

books = new ArrayList<Book>();

init();

}

// reading the data from the file and populating the arraylist

private void init() {

String line = null;

try {

BufferedReader br = new BufferedReader(new

FileReader("data.txt"));

while ((line = br.readLine()) != null) {

String tokens[] = line.split(":");

Book book = new Book(Integer.parseInt(tokens[0]),

tokens[1], tokens[2], tokens[3],

Integer.parseInt(tokens[4]));

books.add(book);

}

} catch (FileNotFoundException e) {

e.printStackTrace();

} catch (IOException e) {

e.printStackTrace();

}

}

public Book searchBook(int bookId) {

boolean isFond = false;

Book bookFound = null;

for (Book book : books) {

if (book.getId() == bookId) {

isFond = true;

bookFound = book;

break;

}

}

if (isFond)

return bookFound;

else

throw new BookNotFoundException();

}

public void sellBook(String isbn, int noOfCopies) {

}

public void purchageBook(String isbn, int noOfCopies) {

}

}