Java.dtd

<?xml version="1.0" encoding="UTF-8"?>

<!ELEMENT Library (Book, Menmber)>

<!ELEMENT Book (Tilte,Author,Price,Cost)>

<!ELEMENT Tilte (#PCDATA)>

<!ELEMENT Author (#PCDATA)>

<!ELEMENT Price (#PCDATA)>

<!ELEMENT Cost (#PCDATA)>

<!ELEMENT Member (Name,Address)>

<!ELEMENT Name (FirstName,MiddleName,LastName)>

<!ELEMENT FirstName (#PCDATA)>

<!ELEMENT MiddleName (#PCDATA)>

<!ELEMENT LastName (#PCDATA)>

<!ELEMENT Address (HouseNumber,Street,City)>

<!ELEMENT Address (#PCDATA)>

<!ELEMENT Street (#PCDATA)>

<!ELEMENT City (#PCDATA)>

<!ATTLIST Book id CDATA #REQUIRED>

Library.xml

<?xml version=*"1.0"* encoding=*"UTF-8"*?>

<!DOCTYPE Library SYSTEM "Library.dtd">

<Library>

<Book Id=*"5"*>

<Title>C</Title>

<Price>30</Price>

<Author>Tan hao qiang</Author>

<Cost>20</Cost>

</Book>

<Member>

<Name>

<FirstName>z</FirstName>

<MiddleName>c</MiddleName>

<LastName>c</LastName>

</Name>

<Address>

<City>Jing Zhou</City>

<Street>yi hao</Street>

<HouseNumber>han ke</HouseNumber>

</Address>

</Member>

</Library>

Library.java

**package** com.zc;

**public** **class** Library {

**protected** **int** id;

**protected** String title;

**protected** String author;

**protected** String price;

**protected** String cost;

**protected** String name;

**protected** String address;

**public** Library(**int** id, String title, String author, String price, String cost, String name, String address) {

**super**();

**this**.id = id;

**this**.title = title;

**this**.author = author;

**this**.price = price;

**this**.cost = cost;

**this**.name = name;

**this**.address = address;

}

**public** **int** getId() {

**return** id;

}

**public** **void** setId(**int** id) {

**this**.id = id;

}

**public** String getTitle() {

**return** title;

}

**public** **void** setTitle(String title) {

**this**.title = title;

}

**public** String getAuthor() {

**return** author;

}

**public** **void** setAuthor(String author) {

**this**.author = author;

}

**public** String getPrice() {

**return** price;

}

**public** **void** setPrice(String price) {

**this**.price = price;

}

**public** String getCost() {

**return** cost;

}

**public** **void** setCost(String cost) {

**this**.cost = cost;

}

**public** String getName() {

**return** name;

}

**public** **void** setName(String name) {

**this**.name = name;

}

**public** String getAddress() {

**return** address;

}

**public** **void** setAddress(String address) {

**this**.address = address;

}

@Override

**public** String toString() {

**return** "Library [id=" + id + ", title=" + title + ", author=" + author + ", price=" + price + ", cost=" + cost

+ ", name=" + name + ", address=" + address + "]";

}

}

package com.zc;

import java.io.FileInputStream;

import java.io.FileNotFoundException;

import org.dom4j.Document;

import org.dom4j.DocumentException;

import org.dom4j.Element;

import org.dom4j.io.SAXReader;

//解析XML

public class ReaderXML {

public static void main(String[] args) {

// TODO Auto-generated method stub

Library library=getLibrary("library.xml");

System.out.println(library);

}

private static Library getLibrary(String fileName) {

// TODO Auto-generated method stub

SAXReader reader=new SAXReader();

int id = 0;

String title = null;

String author = null;

String price = null;

String cost = null;

String name = null;

String address = null;

try {

//得到一个文件

try {

Document doc=reader.read(new FileInputStream(fileName));

//得到根节点

Element root=doc.getRootElement();

Element Book=root.element("Book");

id=Integer.parseInt(Book.attributeValue("Id"));

title=Book.elementText("Title");

author=Book.elementText("Author");

price=Book.elementText("Price");

cost=Book.elementText("Cost");

Element Member=root.element("Member");

Element namee=Member.element("Name");

name=namee.elementText("FirstName")+

namee.elementText("MiddleName")+namee.elementText("LastName");

Element add =Member.element("Address");

address=add.elementText("HouseNumber")+add.elementText("Street")+

add.elementText("City");

} catch (FileNotFoundException e) {

// TODO Auto-generated catch block

e.printStackTrace();

}

} catch (DocumentException e) {

// TODO Auto-generated catch block

e.printStackTrace();

}

return new Library(id,title,author,price,cost,name,address);

}

}