```sql
create table Book
(
book_id int,
title char(20),
author char(20),
price int,
primary key (book_id)

);
```

package bookstore;

public class Book {

```java
		private int id;

		private String title;

		private String author;

		private float price;


		public Book() {

		}


		public Book(int id) {

				this.id = id;

		}


		public Book(String title, String author, float price) {

				this.title = title;

				this.author = author;

				this.price = price;

		}

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

				this.id = id;
```

```java
                this.title = title;

                this.author = author;

                this.price = price;

        }


        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 float getPrice() {

                return price;

        }

        public void setPrice(float price) {

                this.price = price;

        }

}
```

```java
package bookstore;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.sql.Statement;

import java.util.ArrayList;

import java.util.List;

public class BookDao {

        private String url;

        private String username;

        private String password;

        private Connection  connection;

        public BookDao(String url, String username, String password) {
            super();
            this.url = url;
            this.username = username;
            this.password = password;
        }

        public void connect () throws SQLException {
            if (connection==null || connection.isClosed()) {
                try {
                    Class.forName("com.mysql.jdbc.Driver");
                } catch(ClassNotFoundException e) {
                    throw new SQLException (e);
```

```java
                    }
                    connection = DriverManager.getConnection(url, username,
password);
                }
        }

        public void disconnect () throws SQLException {
                if (connection!=null && !connection.isClosed()) {
                        connection.close();
                }
        }

        public boolean insertBook(Book book) throws SQLException {
                String sql = "INSERT INTO book (title, author, price) VALUES (?, ?, ?)";
                connect();

                PreparedStatement statement = connection.prepareStatement(sql);
                statement.setString(1, book.getTitle());
                statement.setString(2, book.getAuthor());
                statement.setFloat(3, book.getPrice());

                boolean rowInserted = statement.executeUpdate() > 0;
                statement.close();
                disconnect();
                return rowInserted;
        }

        public List<Book> listAllBooks() throws SQLException {
                List<Book> listBook = new ArrayList<>();

                String sql = "SELECT * FROM book";
```

```java
            connect();

            Statement statement = connection.createStatement();
            ResultSet resultSet = statement.executeQuery(sql);

            while (resultSet.next()) {
                    int id = resultSet.getInt("book_id");
                    String title = resultSet.getString("title");
                    String author = resultSet.getString("author");
                    float price = resultSet.getFloat("price");

                    Book book = new Book(id, title, author, price);
                    listBook.add(book);
            }

            resultSet.close();
            statement.close();

            disconnect();

            return listBook;
    }

public boolean deleteBook(Book book) throws SQLException {
            String sql = "DELETE FROM book where book_id = ?";

            connect();

            PreparedStatement statement = connection.prepareStatement(sql);
            statement.setInt(1, book.getId());
```

```java
            boolean rowDeleted = statement.executeUpdate() > 0;

            statement.close();

            disconnect();

            return rowDeleted;

    }


    public boolean updateBook(Book book) throws SQLException {

            String sql = "UPDATE book SET title = ?, author = ?, price = ?";

            sql += " WHERE book_id = ?";

            connect();


            PreparedStatement statement = connection.prepareStatement(sql);

            statement.setString(1, book.getTitle());

            statement.setString(2, book.getAuthor());

            statement.setFloat(3, book.getPrice());

            statement.setInt(4, book.getId());


            boolean rowUpdated = statement.executeUpdate() > 0;

            statement.close();

            disconnect();

            return rowUpdated;

    }


    public Book getBook(int id) throws SQLException {

            Book book = null;

            String sql = "SELECT * FROM book WHERE book_id = ?";


            connect();


            PreparedStatement statement = connection.prepareStatement(sql);
```

```java
                            statement.setInt(1, id);

                            ResultSet resultSet = statement.executeQuery();

                            if (resultSet.next()) {
                                    String title = resultSet.getString("title");
                                    String author = resultSet.getString("author");
                                    float price = resultSet.getFloat("price");

                                    book = new Book(id, title, author, price);
                            }

                            resultSet.close();
                            statement.close();
                            disconnect();
                            return book;
                    }

        }
```

```jsp
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
    <%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c" %>
<html>
                    <head>
                            <meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">

                            <title>Book Store Title</title>
                    </head>
                    <body>
                            <center>
```

```html
<h1>Books Management</h1>
<h2>
<a href = "ControllerServlet?action=new">Add New Book</a>
<a href = "ControllerServlet?action=list">List All Book</a>
</h2>
</center>
<div align=center>
	<table border="1" cellpadding="5">
		<caption><h2>List of Books</h2></caption>
		<tr>
			<th>Id</th>
			<th>Title</th>
			<th>Author</th>
			<th>Price</th>
			<th>Actions</th>
		</tr>
		<c:forEach items="${listBook}" var="book">
		<tr>
			<td><c:out value="${book.id}"/></td>
			<td><c:out value="${book.title}"/></td>
			<td><c:out value="${book.author}"/></td>
			<td><c:out value="${book.price}"/></td>
			<td>
				<a href="ControllerServlet?action=edit&id=<c:out value='${book.id}'/>">Edit</a>
				<a href="ControllerServlet?action=delete&id=<c:out value='${book.id}'/>">Delete</a>
			</td>
		</tr>
		</c:forEach>
	</table>
```

```html
            </div>


        </body>

    </html>
```