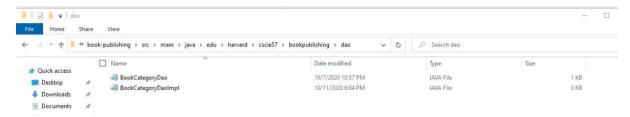
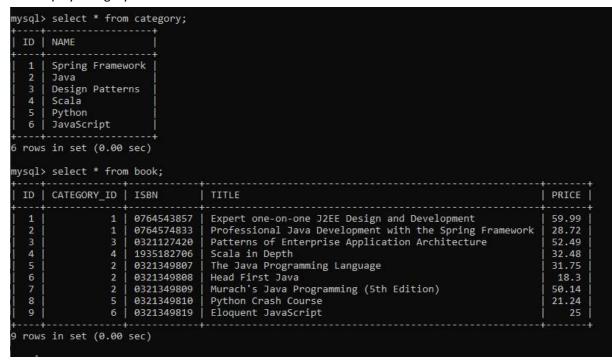
1. Dao directory structure:



2. Display Category and Book table content.



3. Find all books by category name java -jar./target/select-books-by-category-name-app.jar edu.harvard.cscie57.bookpublishing.crud.SelectBooksByCategoryNameApp

## 4. Find all categories

C:\CSCIE57\assignments\book-publishing>java -jar ./target/find-all-categories-app.jar edu.harvard.cscie57.bookpublishing.crud.FindAllCategoriesApp

## 5. Find all books

C:\CSCIE57\assignments\book-publishing>java -jar ./target/find-all-books-app.jar edu.harvard.cscie7.jdbc.App.FindAllBooksApp

```
C:\CSC(EST)Nes-ignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assignments\Assign
```

6. Insert a new book with existing category id

C:\CSCIE57\assignments\book-publishing>java -jar ./target/insert-new-book-app.jar edu.harvard.cscie57.bookpublishing.crud.InsertNewBookApp

Inserted a new book id = 10

Book{id=10, category\_id=2, isbn='0321348888', title='Effective Java', price=22.88}

The corresponding row(id=10) is added by the application to the BOOK table

```
mysql> select * from book;
 ID |
      CATEGORY ID | ISBN
                                 TITLE
                                                                                            PRICE
                                 Expert one-on-one J2EE Design and Development
                    0764543857
                                                                                             59.99
  2
                    0764574833
                                 Professional Java Development with the Spring Framework
                                                                                             28.72
                                                                                             52.49
                    0321127420
                                 Patterns of Enterprise Application Architecture
                    1935182706
                                                                                             32.48
                                 Scala in Depth
                                 The Java Programming Language
                    0321349807
  6
                    0321349808
                                 Head First Java
                                                                                              18.3
                                 Murach Java Programming (5th Edition)
                    0321349809
                                                                                             50.14
                    0321349810
                                 Python Crash Course
                                                                                             21.24
  8
                                 Eloquent JavaScript
                    0321349819
  9
 10
                    0321348888
                                 Effective Java
                                                                                             22.88
l0 rows in set (0.00 sec)
```

7. Find a book with id =7. Update the book's price, setting it to 88.88.

C:\CSCIE57\assignments\book-publishing>java -jar ./target/update-book-app.jar edu.harvard.cscie57.bookpublishing.App.UpdateBookApp

2020-11-15 13:07:08,626 INFO edu.harvard.cscie57.jdbc.config.NamedJdbcCfg: Book{id=7, category\_id=2, isbn='0321349809', title='Murach Java Programming (5th Edition)', price=88.88}

## Notice in the Book table the price is changed for book.id = 7

```
nysql> select * from book;
 ID | CATEGORY_ID | ISBN
                                                                                                PRICE |
                     0764543857
                                   Expert one-on-one J2EE Design and Development
                                                                                                59.99
                                   Professional Java Development with the Spring Framework
                     0764574833
                                                                                                28.72
                     0321127420
                                   Patterns of Enterprise Application Architecture
                                                                                                52.49
                     1935182706
                                                                                                32.48
                                   Scala in Depth
                     0321349807
                                   The Java Programming Language
                                                                                                31.75
                                   Head First Java
                                                                                                18.3
                     0321349808
                                   Murach Java Programming (5th Edition)
Python Crash Course
                     0321349809
                                                                                                88.88
                                                                                                21.24
                     0321349810
                     0321349819
                                   Eloquent JavaScript
                     0321348888
                                   Effective Java
                                                                                                22.88
10 rows in set (0.00 sec)
```

8. Delete the book with id = 7. Notice below that there is no book with id = 7 in the list of all books C:\CSCIE57\assignments\book-publishing>java -jar ./target/delete-book-app.jar edu.harvard.cscie57.bookpublishing.crud.DeleteBookApp

Also the book with id = 7 is not in the BOOK table.

D	CATEGORY_ID	ISBN	TITLE	PRICE
1	1	0764543857	Expert one-on-one J2EE Design and Development	59.99
2	1	0764574833	Professional Java Development with the Spring Framework	28.72
3	3	0321127420	Patterns of Enterprise Application Architecture	52.49
4	4	1935182706	Scala in Depth	32.48
5	2	0321349807	The Java Programming Language	31.75
6	2	0321349808	Head First Java	18.3
8	5	0321349810	Python Crash Course	21.24
9	6	0321349819	Eloquent JavaScript	25
10	2	0321348888	Effective Java	22.88