Chapter 21-Scrollable, editable recordsets and metadata.

1. You have been given a MySQL database called "BooksDB" in BrightSpace.

2. You will notice this database contains only 1 table (Books) and contains 4 records.

3. Create a new Java Project called "Chapter21Assignment" and add the code needed to Connect and disconnect from BooksDB. (you can copy-and-paste code from your previous code-along from class)

4. Write a static method called **DisplayThirdRecord** that will use a scrolling result set to display only the 3rd record from the books table (HINT: don't use any looping mechanism to accomplish this task)

```
The Shining      Fiction Stephen King      1977-11-15
```

5. Write a static method called **DisplayRecordsInReverse** that uses a scrollable result set to display the records of the Books table in reverse order.

```
To Kill a Mockingbird   Fiction Harper Lee      1960-07-06
The Shining      Fiction Stephen King    1977-11-15
Hunger Games     Fiction Suzanne Collins 2014-01-23
Introduction to PC Hardware & Software  Education Textbook      Jean Andrews    201
```

6. Write a static method called **UpdateRecords** that will update the genre field of the Books table to be "Fiction Novel" for the 3 records where the genre is "Fiction". You MUST complete this task using an updatable result set and NOT an update statement.

```
To Kill a Mockingbird   Fiction Novel   Harper Lee      1960-07-06
The Shining      Fiction Novel    Stephen King    1977-11-15
Hunger Games     Fiction Novel    Suzanne Collins 2014-01-23
Introduction to PC Hardware & Software  Education Textbook      Jean Andrews    201
```

7. Write a static method called **DisplayMetaData** that will display the column name and column type of each field in the Books Table.

```
Column Name: TITLE  Column Type:  12
Column Name: GENRE  Column Type:  12
Column Name: AUTHOR  Column Type:  12
Column Name: DATE_PUBLISHED  Column Type:  91
```