

Create a Netbeans project and add a class with a main to it. Then, using a *ResultSet*, carry out the following tasks (1-7) using the Books database.

1. For every record (book) in the titles table; display the ISBN, Title, EditionNumber, YearPublished, PublisherID and Price in ascending order based on the book Title (there are 22 records that meet this criteria).
2. Display the Title and Price for all records (books) in the titles table which have a Title that contains the word "Java" (there are 8 records that meet this criteria).
3. Display the Title, ISBN and YearPublished for all records (books) in the titles table that were published prior to 1997 (there are 3 records than meet this criteria).
4. Display the Title, ISBN and YearPublished for those records (books) in the titles table that were published between 1994 and 1998 (there are 13 records than meet this criteria).
5. Display the [average](#) Price (its €24.00) of a book in the titles table.
6. Display a [count](#) of the number of records in the Titles table that have a Price greater than or equal to than 40 (there are 3 records than meet this criteria). You must use a prepared statement with this query.

The above tasks (1-6) will all return a ResultSet. Write a method called displayRecords which will accept a ResultSet as an argument and will have a return type of void. The method should take the ResultSet which is passed to it, display the column names within it and then display the details within each row.

7. Execute an SQL statement from within your Java code that will [add a column](#) to the titles table called 'CopiesSold' which should be of type double. Once this column is added, the value for this column in each row will be null

Add another Main class to your project and using a RowSet, carry out the following tasks (8-12) using the Books database.

8. Add a complete record to the authors table – invent the data to be inserted.

9. Execute an SQL statement that will increase the Price of all books in the titles table which were published in 1994 or earlier by 10%. You must use a prepared statement with this query.

10. Execute an SQL statement from within your Java code that will update the *CopiesSold* column in the titles table with a random value in the range 0 -100. Consider using the [floor](#) and [rand](#) functions of MySQL to assist you with this task.

11. For every ISBN in the authorisbn table, display the ISBN along with the corresponding FirstName and LastName (from the authors table).

12. For every ISBN in the authorisbn table, display the ISBN along with the corresponding FirstName and LastName (from the authors table) and the Title (from the titles table).

[SQL Tutorial.](#)