



EXERCISES — Bookshelf - 1

version #



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1 Bookshelf - 1

Files to submit:

- bookshelf_1/req01.sql
- bookshelf_1/req02.sql
- bookshelf_1/req03.sql
- bookshelf_1/req04.sql
- bookshelf_1/req05.sql
- bookshelf_1/req06.sql
- bookshelf_1/req07.sql
- bookshelf_1/req08.sql

Provided files:

- bookshelf_1/schema.sql
- bookshelf_1/data.sql

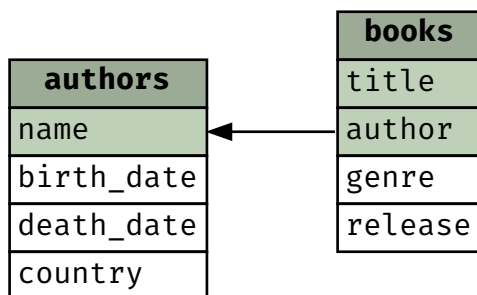
1.1 Goal

Write a few SQL queries to manage your bookshelf.

1.2 Tables

Look at the `schema.sql` to fully understand what is expected of you.

1.2.1 Relationships



1.2.2 Authors

This table contains authors, their name, date of birth, date of death (or NULL if they are still alive) and their place of birth. Two different authors cannot have the same name.

1.2.3 Books

This table lists the books in the bookshelf, their title, their author, their genre and their release date. Two different books can't have the same title and be written by the same author at the same time.

1.2.4 Exercises

Below is the list of exercises you must submit. If the type of ordering is not specified, then it must be ascending.

req01.sql:

List all the books, ordered by title.

Example:

title
A Dance with Dragons
A Feast for Crows
A Game of Thrones
A Game of Thrones
And Then There Were None
A Study in Scarlet
Epicness
Harry Potter and the Chamber of Secret
Le Feu dans le ciel
Les Miserables
Romances sans paroles
The Fellowship of the Ring
The Hobbit
The Hound of the Baskervilles
The Raven and other Poems
(15 rows)

req02.sql:

List all the books written by 'George RR Martin', ordered by title.

Example:

title

A Dance with Dragons
A Feast for Crows
A Game of Thrones
(3 rows)

req03.sql:

List authors and books, ordered by author then by title.

Example:

author	title
-----	-----
Agatha Christie	And Then There Were None
Anne Robillard	Le Feu dans le ciel
Arthur Conan Doyle	A Study in Scarlet
Arthur Conan Doyle	The Hound of the Baskervilles
Edgar Allan Poe	The Raven and other Poems
George RR Martin	A Dance with Dragons
George RR Martin	A Feast for Crows
George RR Martin	A Game of Thrones
JK Rowling	Harry Potter and the Chamber of Secret
JM Plagiat	A Game of Thrones
JRR Tolkien	The Fellowship of the Ring
JRR Tolkien	The Hobbit
Paul Verlaine	Epicness
Paul Verlaine	Romances sans paroles
Victor Hugo	Les Miserables
(15 rows)	

req04.sql:

List books ordered by title length.

Example:

title

Epicness
The Hobbit
Les Miserables
A Feast for Crows
A Game of Thrones

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```
A Game of Thrones
A Study in Scarlet
Le Feu dans le ciel
A Dance with Dragons
Romances sans paroles
And Then There Were None
The Raven and other Poems
The Fellowship of the Ring
The Hound of the Baskervilles
Harry Potter and the Chamber of Secret
(15 rows)
```

req05.sql:

List poems and JK Rowling's fantasy books, ordered by title.

Example:

```
      title
-----
Harry Potter and the Chamber of Secret
Romances sans paroles
The Raven and other Poems
(3 rows)
```

req06.sql:

List all kinds of fantasy books along with their authors, ordered by title, then by author.

Example:

```
      title |      author
-----+-----
A Dance with Dragons | George RR Martin
A Feast for Crows    | George RR Martin
A Game of Thrones    | George RR Martin
A Game of Thrones    | JM Plagiat
Harry Potter and the Chamber of Secret | JK Rowling
Le Feu dans le ciel  | Anne Robillard
The Fellowship of the Ring | JRR Tolkien
The Hobbit           | JRR Tolkien
(8 rows)
```

req07.sql:

Update JM Plagiat's birth date to '1996-07-17'.

req08.sql:

Add three books from JRR Tolkien:

- 'The Return of the King' that is a 'Fantasy' book, released the '1955-10-20' ;
- 'The Two Towers' that is a 'Fantasy' book, released the '1954-11-11' ;
- 'The Hobbit 2, the return' that is a 'High fantasy' book, released the '1937-09-21'.

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