Business Rules:

* Each author writes one or more books, and every book has exactly one author.
* The name and surname of each author must be stored in the database.
* The title of each book must be stored in the database.
* Each book belongs to one specific genre, and many books can belong to the same genre.
* The description of each genre must be stored in the database.
* A book can enter many competitions, and many books can enter the same competition.
* The description of each competition must be stored in the database.

Steps and Instructions

1. Write the necessary SQL statements to create the database and associated tables as defined by the business rules and ERD on the previous page

2. Write the necessary SQL statements to insert relevant data into the database tables created in Step 1. For each of the tables listed below, insert at least the minimum number of records stated. You may insert more records than the minimum stated.

* Author table: At least five records
* Genre table: At least three records
* Books table: At least 20 records
* Competition table: at least 15 records
* Ensure that at least one book has been entered in more than one competition

3. Write a SQL statement to demonstrate your knowledge of the UPDATE statement.

4. Write an SQL statement to demonstrate your knowledge of the DELETE statement.

5. Write an SQL statement to display a report that lists all book titles, their authors, and their genres. The report should be sorted alphabetically by genre, followed by alphabetically ascending order by book titles.

6. Write a SQL statement to demonstrate your knowledge of the GROUP BY clause. The SQL statement should display an appropriate report.

7. Write an SQL statement to demonstrate your knowledge of the HAVING clause. The SQL statement should display an appropriate report.

8. Write an SQL statement to demonstrate your knowledge of using JOINS. The SQL statement should display an appropriate report.