

## Project: Online Bookstore Database

### Description:

You have been assigned to create a database for an online bookstore. The database should store information about books, authors, customers, and orders. The goal is to design a database schema and create SQL queries to perform various operations on the database.

### Requirements:

#### Design the database schema:

Create tables for books, authors, customers, orders, genres, and bookprices

Define appropriate primary and foreign key relationships between the tables.

#### Populate the database:

Insert sample data into the tables to simulate a real online bookstore.

Include multiple books, authors, customers, and orders, genres, and bookprices

#### Implement queries:

- Write SQL queries to retrieve the following information:
  - List all books in the database.
  - Find books by a specific author.
  - Get the total number of books in stock.
  - Find the top-selling books based on the number of orders.
  - Retrieve all orders placed by a specific customer.
  - Calculate the total revenue.
    - Generated from book sales.
    - For a specific time period.

### Deliverables:

#### SQL script file:

Create a script file containing the SQL commands to create tables, insert data, and implement queries.

#### Query result screenshots:

Capture screenshots of the query results for each of the required queries.

Include these screenshots in your project documentation.

#### Project documentation:

Create a document explaining the database schema, the purpose of each table, and the relationships between them.

Include a step-by-step guide on how to set up and run your SQL script.

Provide a brief overview of the queries and their results