



ONLINE BOOKSTORE DATABASE PROJECT

MySQL Database Design & Queries

DATABASE OVERVIEW



Database Name:
OnlineBookstore



Contains 3 Tables:



1. Books



2. Customers



3. Orders

BOOKS TABLE

Attributes:

Book_ID (PK)

Title

Author

Genre

Published_Year

Price

Stock

CUSTOMERS TABLE

ATTRIBUTES:

CUSTOMER_ID (PK)

NAME

EMAIL

PHONE

CITY

COUNTRY

ORDERS TABLE

Attributes:

Order_ID (PK)

Customer_ID (FK)

Book_ID (FK)

Order_Date

Quantity

Total_Amount

BASIC QUERIES (1-6)



1. Retrieve all books in Fiction genre



2. Find books published after 1950



3. List all customers from Canada



4. Show orders placed in Nov 2023



5. Retrieve total stock of books



6. Find most expensive book



7. Customers who ordered >1 quantity



8. Orders where total amount > \$20



9. List all genres in Books table



10. Book with lowest stock



11. Total revenue from orders

BASIC QUERIES (7- 11)

ADVANCED QUERIES (1-5)

1. Total books sold for each genre

2. Avg price of Fantasy books

3. Customers with ≥ 2 orders

4. Most frequently ordered book

5. Top 3 most expensive Fantasy books

6. Total quantity sold by each author

7. Cities of customers who spent $> \$30$

8. Customer who spent the most

9. Stock remaining after fulfilling orders

ADVANCED QUERIES (6-9)