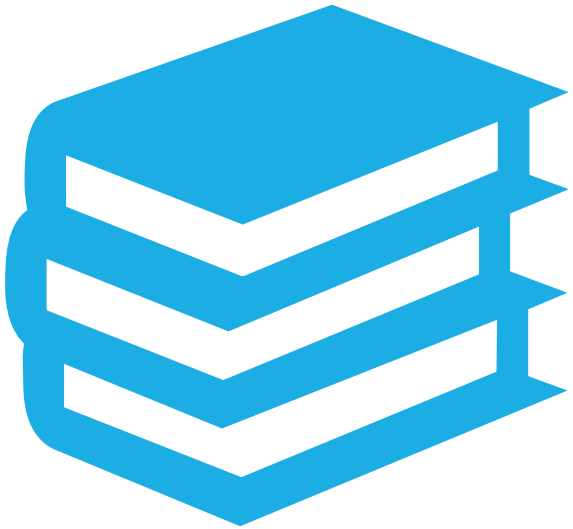
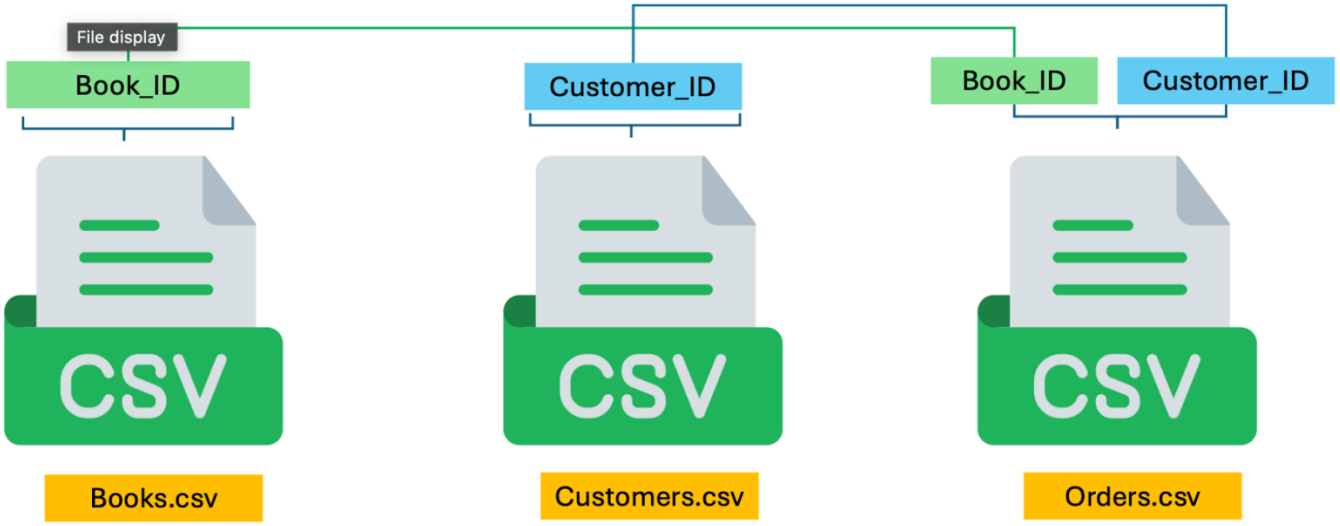


ONLINE BOOKSTORE DATABASE PROJECT

MySQL Database Design & Queries

3 CSV FILES

Tables must have at least one common column with same column name and same data type



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

BASIC QUERIES (7-11)

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

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)