



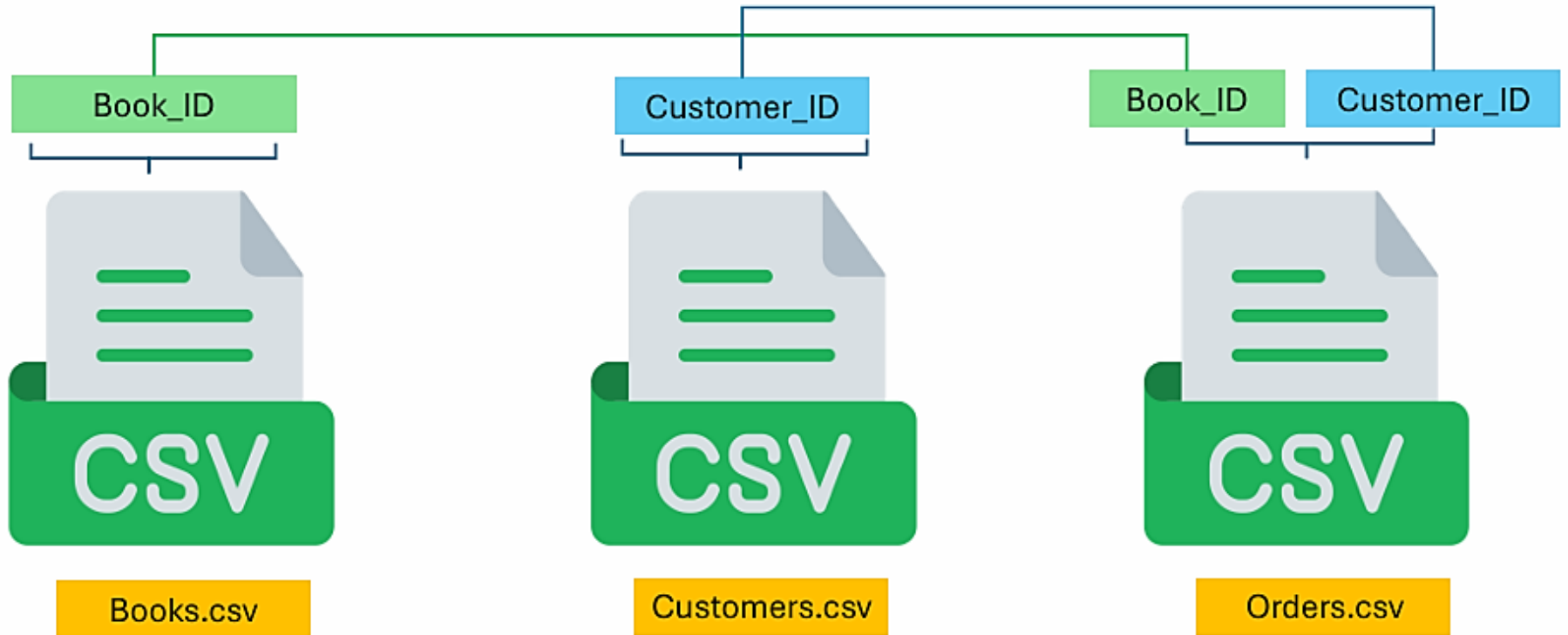
SQL Analytics on an Online Bookstore

A Data-Driven SQL Project

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3 CSV Files

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



Section 1: Dataset Overview

The project uses three CSV datasets that contain structured information about books, customers, and orders in an online bookstore. These tables are linked through common fields like Book_ID and Customer_ID.

File Name	Columns
Books.csv	Book_ID, Title, Author, Genre, Published_Year, Price, Stock
Customers.csv	Customer_ID, Name, Email, Phone, City, Country
Orders.csv	Order_ID, Customer_ID, Book_ID, Order_Date, Quantity, Total_Amount

Section 2: Basic SQL Queries (20)

1. Retrieve all books in the 'Fiction' genre.
2. Find books published after the year 1950.
3. List all customers from Canada.
4. Show orders placed in November 2023.
5. Retrieve the total stock of books available.
6. Find the details of the most expensive book.
7. Show all customers who ordered more than 1 quantity of a book.
8. Retrieve all orders where the total amount exceeds \$20.
9. List all genres available in the Books table.
10. Find the book with the lowest stock.
11. Calculate the total revenue generated from all orders.
12. Show all books written by authors whose names start with 'C'.
13. Retrieve books priced between \$20 and \$40.
14. List customers whose names contain 'Smith'.
15. Find all books published before 1950.
16. Display the top 5 cheapest books.
17. Show all customers from Asian countries.
18. Retrieve all orders where the quantity ordered = 10.
19. List books that have a stock greater than 80.
20. Find all customers whose email ends with '.com'.

Section 3: Advanced SQL Queries (20)

1. Retrieve the total number of books sold for each genre.
2. Find the average price of books in the 'Fantasy' genre.
3. List customers who have placed at least 2 orders.
4. Find the most frequently ordered book.
5. Show the top 3 most expensive books of 'Fantasy' genre.
6. Retrieve the total quantity of books sold by each author.
7. List the cities where customers who spent over \$30 are located.
8. Find the customer who spent the most on orders.
9. Calculate the stock remaining after fulfilling all orders.
10. Find the month with the highest total sales revenue.
11. Show the top 5 customers who spent the most money.
12. Retrieve the most popular genre based on total sales.
13. Find the author whose books generated the highest revenue.
14. List customers who ordered books from at least 3 different genres.
15. Calculate the average order value per customer.
16. Identify books that were never ordered.
17. Find the year with the maximum number of books published.
18. Show the customer who placed the earliest order.
19. Retrieve the book that generated the maximum revenue.
20. Calculate the average quantity of books ordered per order.