**📚 Day 18 – SQL Practice: Online Bookstore Dataset**

This dataset simulates an online bookstore with customers, books, orders, and reviews. It focuses on customer preferences, bestsellers, review patterns, and cross-category sales insights.

**📁 Table Schemas & Sample Data**

**1. Customers Table**

|  |  |  |  |
| --- | --- | --- | --- |
| CustomerID | Name | Email | Country |
| 1 | Alice | alice@example.com | USA |
| 2 | Bob | bob@example.com | UK |
| 3 | Chitra | chitra@example.com | India |
| 4 | Daniel | daniel@example.com | Canada |
| 5 | Eva | eva@example.com | Germany |

**2. Books Table**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| BookID | Title | Author | Genre | Price |
| 101 | Data Science 101 | Smith | Tech | 25.90 |
| 102 | Mystery of AI | Jones | Thriller | 19.99 |
| 103 | The Last Algorithm | Ray | Sci-Fi | 22.75 |
| 104 | Learning SQL | Clark | Tech | 29.99 |
| 105 | Cooking for Coders | Lee | Cooking | 18.50 |

**3. Orders Table**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| OrderID | CustomerID | BookID | OrderDate | Quantity |
| 1001 | 1 | 101 | 2024-06-01 | 2 |
| 1002 | 2 | 102 | 2024-06-03 | 1 |
| 1003 | 3 | 104 | 2024-06-05 | 1 |
| 1004 | 4 | 105 | 2024-06-07 | 3 |
| 1005 | 1 | 103 | 2024-06-09 | 1 |
| 1006 | 2 | 105 | 2024-06-10 | 1 |
| 1007 | 5 | 101 | 2024-06-12 | 2 |

**4. Reviews Table**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ReviewID | CustomerID | BookID | Rating | ReviewDate |
| 201 | 1 | 101 | 4 | 2024-06-05 |
| 202 | 2 | 102 | 5 | 2024-06-06 |
| 203 | 3 | 104 | 3 | 2024-06-08 |
| 204 | 4 | 105 | 5 | 2024-06-10 |
| 205 | 1 | 103 | 4 | 2024-06-12 |
| 206 | 5 | 101 | 5 | 2024-06-13 |
| 207 | 2 | 105 | 4 | 2024-06-14 |

🧠 **Practice Questions**

1. List all customers along with the number of books they ordered.
2. Show the average rating for each genre.
3. Find the top-selling book (based on quantity).
4. Display books ordered by customers who never left a review.
5. List all books with an average rating of 4 or higher and total orders above 2.
6. Show the best-rated book per genre (based on average rating).
7. Identify customers who purchased books from at least 3 different genres.
8. Find the books not ordered by anyone.
9. Show the most popular genre in terms of total orders.
10. List top 2 customers who spent the most money (price × quantity).

🎯 Bonus

Identify books that were ordered at least twice and received only ratings 4 or above.