# Day 6 – SQL Practice Questions

## 📊 Dataset: Books, Authors & Sales

This dataset explores relationships between books, their authors, and their sales data. Ideal for practicing joins, subqueries, window functions, and text-based filtering.

### Books Table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| BookID | Title | AuthorID | Genre | Price |
| 1 | Data Science 101 | 101 | Technology | 600 |
| 2 | AI for All | 101 | Technology | 800 |
| 3 | Python Tricks | 102 | Programming | 500 |
| 4 | Modern History | 103 | History | 400 |
| 5 | The World of Plants | 104 | Biology | 350 |
| 6 | Big Data Basics | 101 | Technology | 750 |

### Authors Table

|  |  |  |
| --- | --- | --- |
| AuthorID | AuthorName | Country |
| 101 | Ravi Mehra | India |
| 102 | Sara James | USA |
| 103 | Vikram Joshi | India |
| 104 | Lena Gupta | UK |

### Sales Table

|  |  |  |  |
| --- | --- | --- | --- |
| SaleID | BookID | SaleDate | Quantity |
| 201 | 1 | 2023-01-10 | 5 |
| 202 | 2 | 2023-01-11 | 3 |
| 203 | 3 | 2023-01-13 | 7 |
| 204 | 1 | 2023-01-14 | 2 |
| 205 | 5 | 2023-01-16 | 4 |
| 206 | 6 | 2023-01-17 | 6 |

## 📘 Practice Questions

1. List all book titles along with their author names and country.

2. Show total sales (revenue) per book.

3. Find the total quantity sold per genre.

4. List authors who have more than one book listed.

5. Identify the highest selling book by quantity.

6. Display author-wise total sales revenue.

7. Find books that have never been sold.

8. List books priced above the average price of their genre.

9. Show rank of books within each genre by price.

10. Show total quantity and revenue earned per author (include books with zero sales).

## 🎯 Bonus Challenge

Write a query to find the top 2 bestselling books per genre using window functions.