

Explianation of querie 5

- FROM Book b → start with the Book table
- JOIN loan l ON b.Book_ID = l.Book_ID → link each book with its loans to count how many times it was borrowed
- JOIN review r ON b.Book_ID = r.Book_ID → link books to their reviews to calculate the average rating
- GROUP BY b.Book_title, b.Book_ISBN, b.Book_Genre → group the results **by each book**
- COUNT(l.loan_id) AS total_loaned → count how many times the book has been borrowed
- AVG(r.review_rate) AS avg_review_rate → calculate the average review rating
- HAVING COUNT(l.loan_id) >= 3 → only include books borrowed 3 **or more times**

Explianation of querie 6

1. FROM loan l → start with the loans table, because **every borrowing record is stored here**
 2. JOIN Members m ON l.Members_ID = m.Members_ID → link each loan to the member who borrowed the book
 3. JOIN Book b ON l.Book_ID = b.Book_ID → get information about the book for that loan
 4. LEFT JOIN review r ON r.Book_ID = b.Book_ID AND r.Members_ID = m.Members_ID → attach review info **if it exists**, making sure the review is for **the same member and book**
- Using LEFT JOIN ensures that **if a member did not leave a review**, the loan will still appear in the result (the review columns will just be NULL).

Explianation of querie 7

- COUNT(l.loan_id) → counts **all loans** in this genre
- SUM(p.amount) → adds up all fine amounts collected
- AVG(CAST(p.amount AS float)) → calculates **average fine per loan**

Casting to float ensures the average is calculated correctly with decimals.

