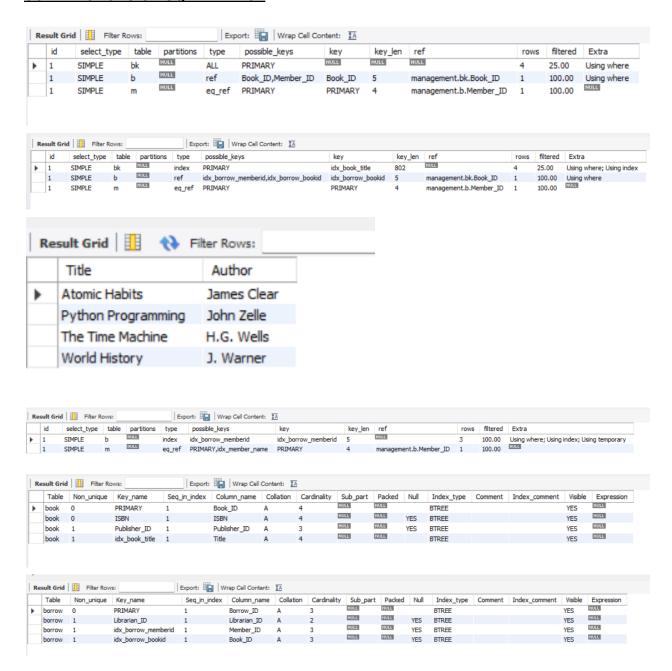
SCREENSHOTS OF SQL TABLES:



EXPLANATION:

The Performance Optimization task improves the efficiency of database operations using indexes and query analysis.

By applying the EXPLAIN command before and after indexing, query performance was measured and optimized.

Indexes were added to frequently accessed columns like Book. Title, Member. Name, and Borrow. Member ID, which significantly reduced query execution time.

This ensures faster data retrieval and enhances the scalability of the Library Management System.