

Laboratory Activity 3:

Laboratory Title: Structured Query Language (SQL) - Basic Queries
Chapter No. and Topic: Chapter 2 - Structured Query Language (SQL)

Discussions:

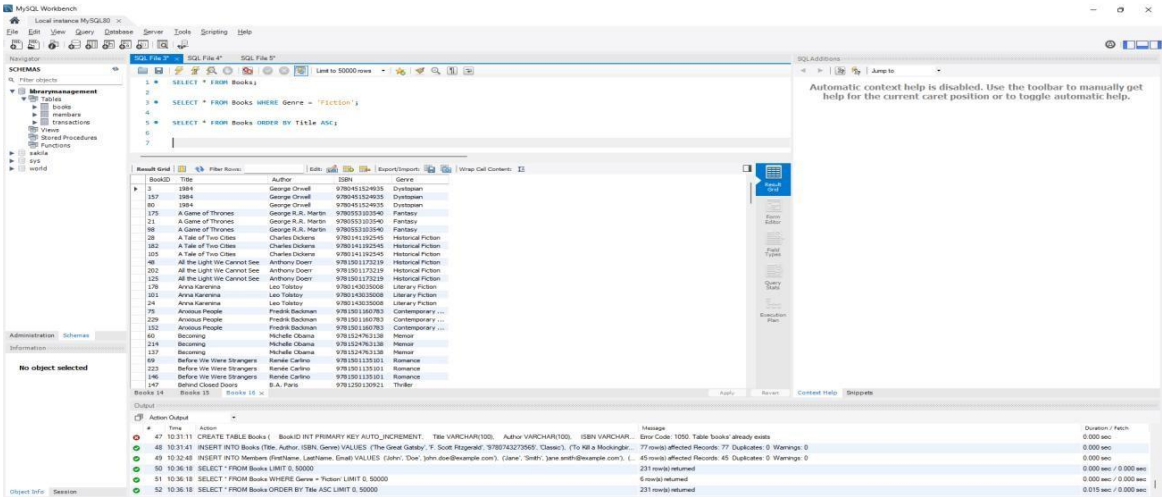
This activity covers the basics of querying data from a table using SQL.

Activity Description:

Learn how to retrieve data using SELECT, filter with WHERE clauses, and sort results using ORDER BY.

Result:

Basic queries to retrieve and filter data from the Books table.



Additional Questions/Discussions:

The WHERE clause improves SQL queries by filtering records based on specified conditions, allowing users to retrieve only relevant data. This enhances query efficiency and precision by excluding unnecessary information. The ORDER BY clause further improves functionality by sorting the query results in ascending or descending order, helping users to view data in a structured and organized manner. Together, they make SQL queries more powerful and tailored to specific needs.

Conclusions:

Laboratory Activity 3 focused on using Structured Query Language (SQL) to perform basic queries, providing a solid foundation for interacting with relational databases. Students gained practical experience with SQL commands such as SELECT, WHERE, and ORDER BY, which are essential for filtering, sorting, and retrieving data. This activity helped reinforce the concepts of data manipulation and query optimization, essential skills for efficiently managing and analyzing data in real-world database systems.