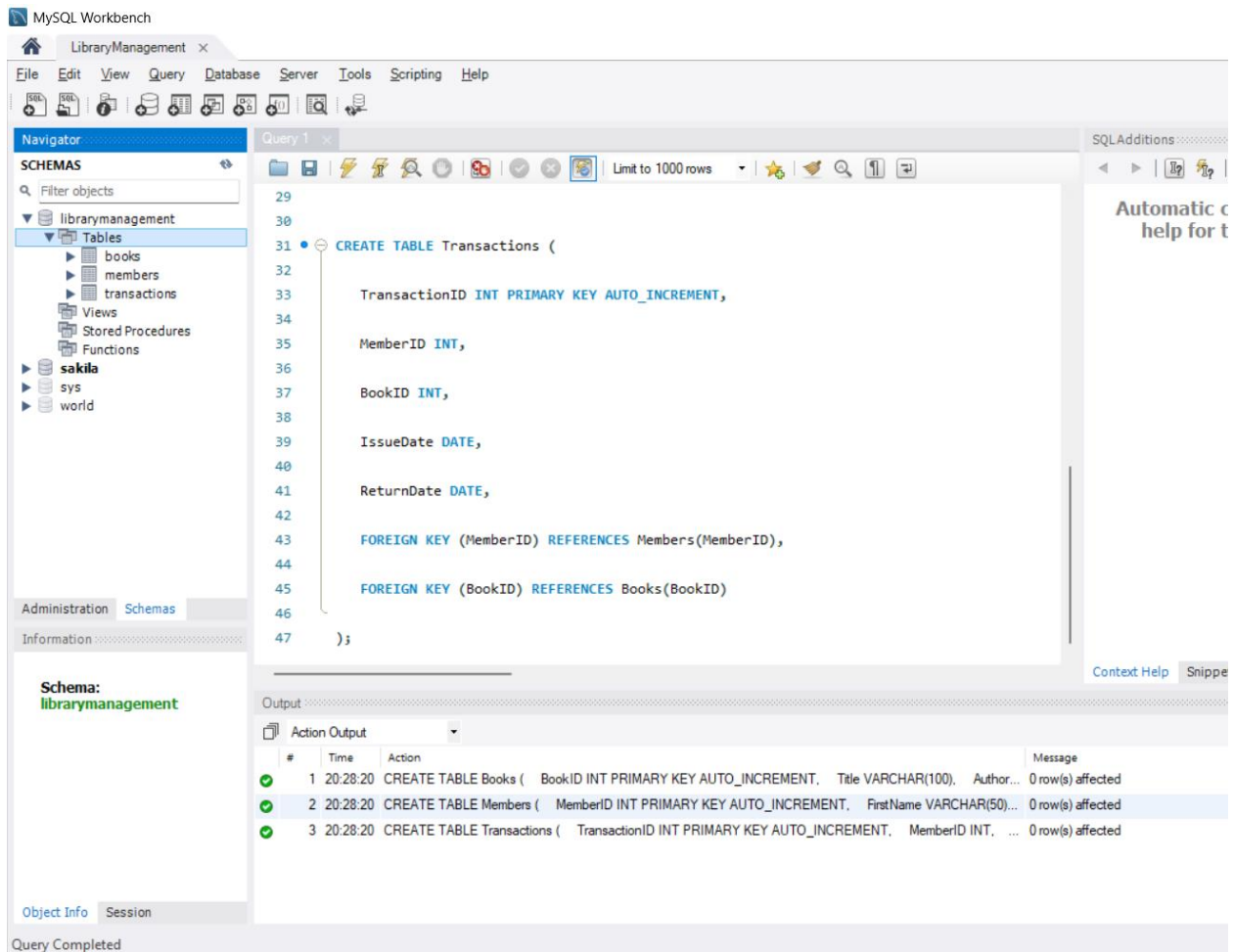


# JOHN CARLO S. GUMAOD

## Laboratory Activity 2:



## Additional Questions/Discussions:

- What is the importance of primary keys in a relational database?
  - In a relational database, primary keys are essential because they make sure every record in a table is distinct, avoiding duplicate entries. Data integrity depends on their ability to consistently identify and access particular records.

- How do foreign keys maintain referential integrity?
  - By connecting entries in one table to legitimate entries in another, foreign keys preserve referential integrity. They make certain that each value in the child table corresponds to a value that already exists in the parent table. This maintains data consistency and avoids problems like orphaned records. The foreign key constraint prevents any action that would break this link, protecting the integrity of the data.

### **Conclusions:**

- Database architecture requires the creation of tables and primary keys. With each column denoting a feature of the data, tables are used to arrange and store data in an organized manner. In order to guarantee data correctness and avoid duplication, the primary key is used to uniquely identify each record in a table. The database can create relationships between tables by specifying primary keys, which facilitates data management and retrieval.