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Company: CODTECH IT SOLUTIONS

Intern ID : CT08DS6496

Domain : SQL

Duration: Augest to September 2024

Mentor : Muzammil Ahmed

ONLINE RETAIL STORE DATABASE

To Create a database for an online retail store, including products, customers, orders, and payments. This project involves more complex queries and database design. Design tables for products, customers, orders, and payments. Write SQL queries to handle customer orders and payment processing.

Objective :

The objective of the online retail store database is to efficiently manage customer information, product inventories, and order processing. It aims to facilitate seamless transactions and enhance user experience through structured data relationships. The design ensures data integrity, scalability, and quick retrieval of information. Ultimately, it supports the operational needs of the retail business while providing a reliable platform for customers.

Database Schema :

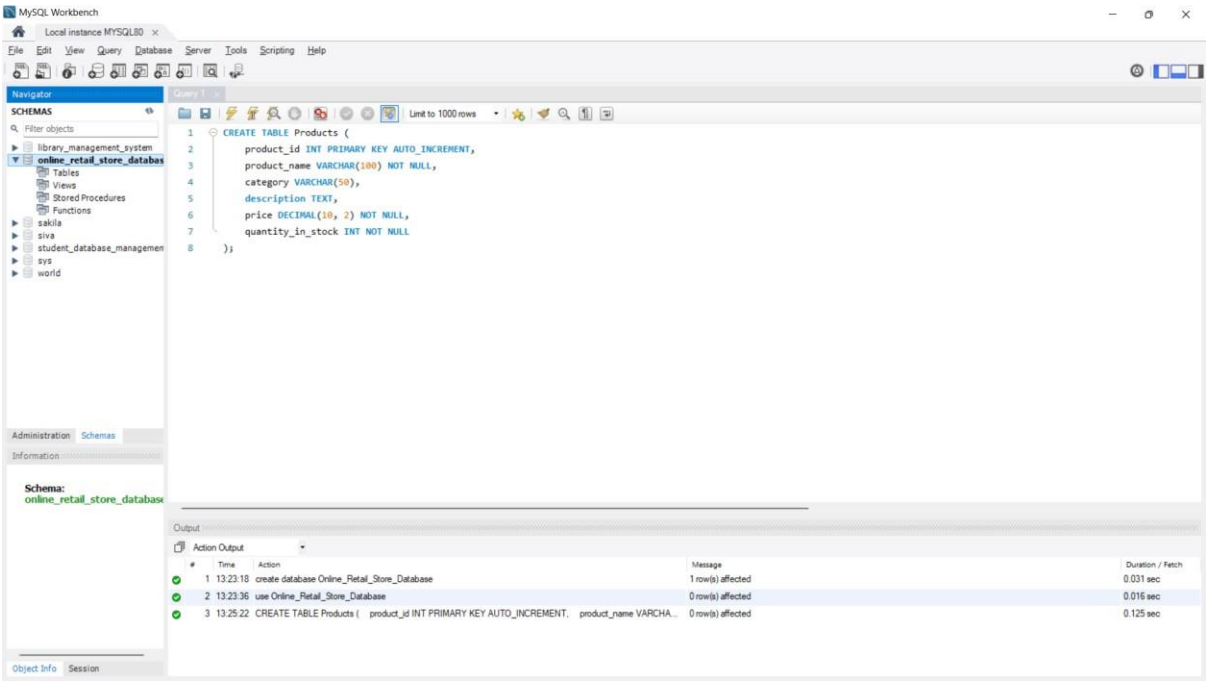
1) Create a database :

```
CREATE DATABASE Online_Retail_Store_Database ;
```

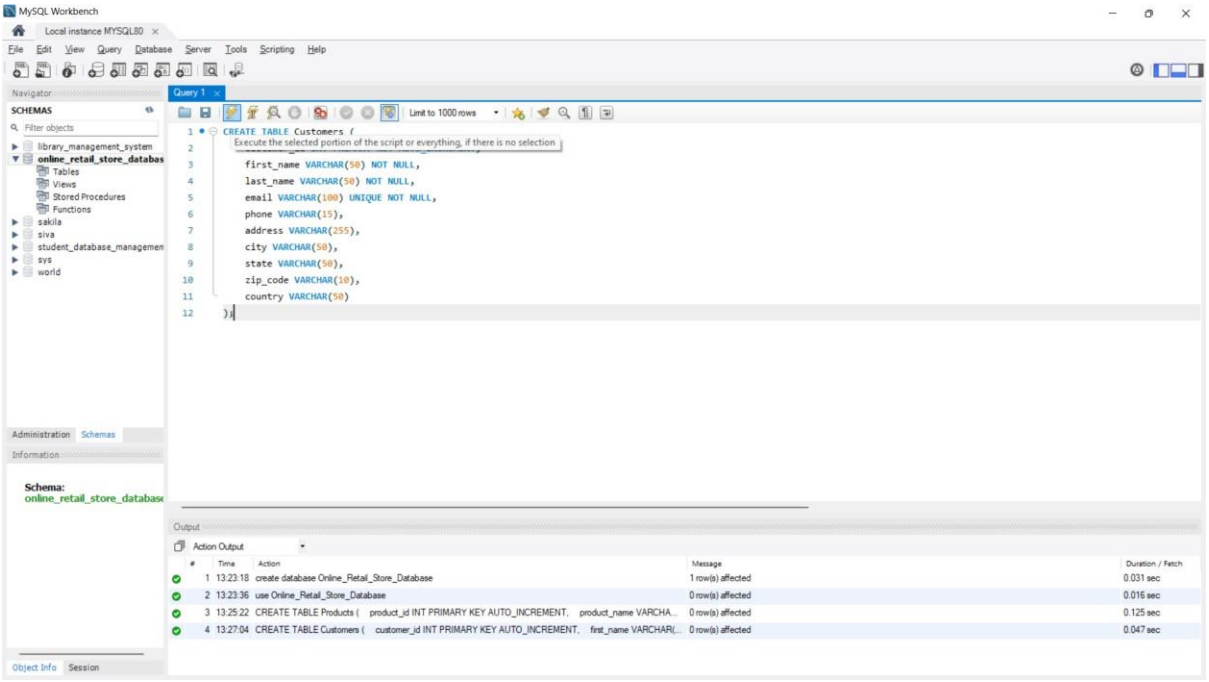
2) Use Database :

```
USE  Online_Retail_Store_Database ;
```

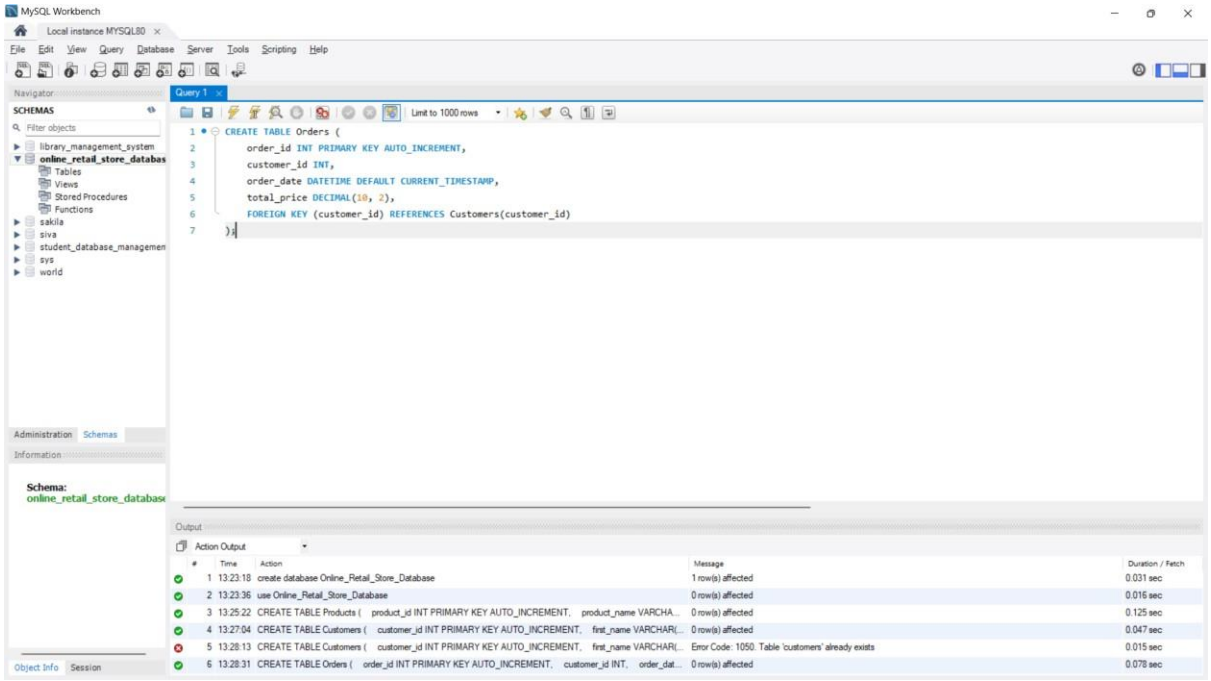
3) Products Table



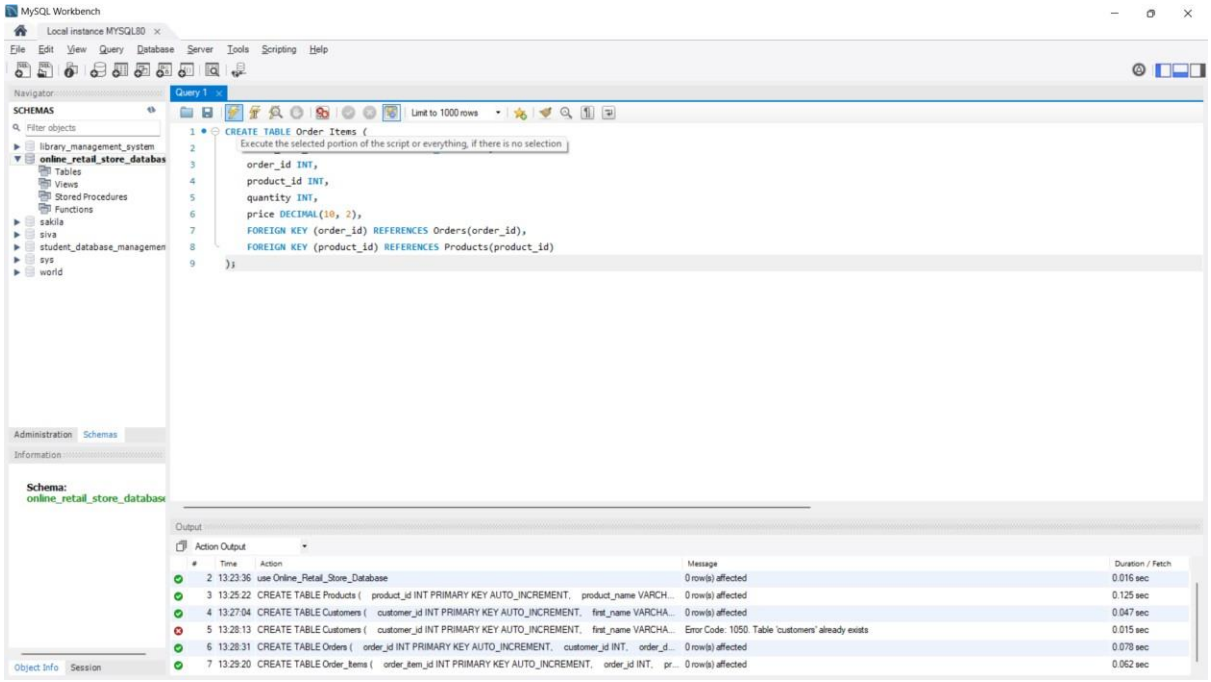
4) Customers Table :



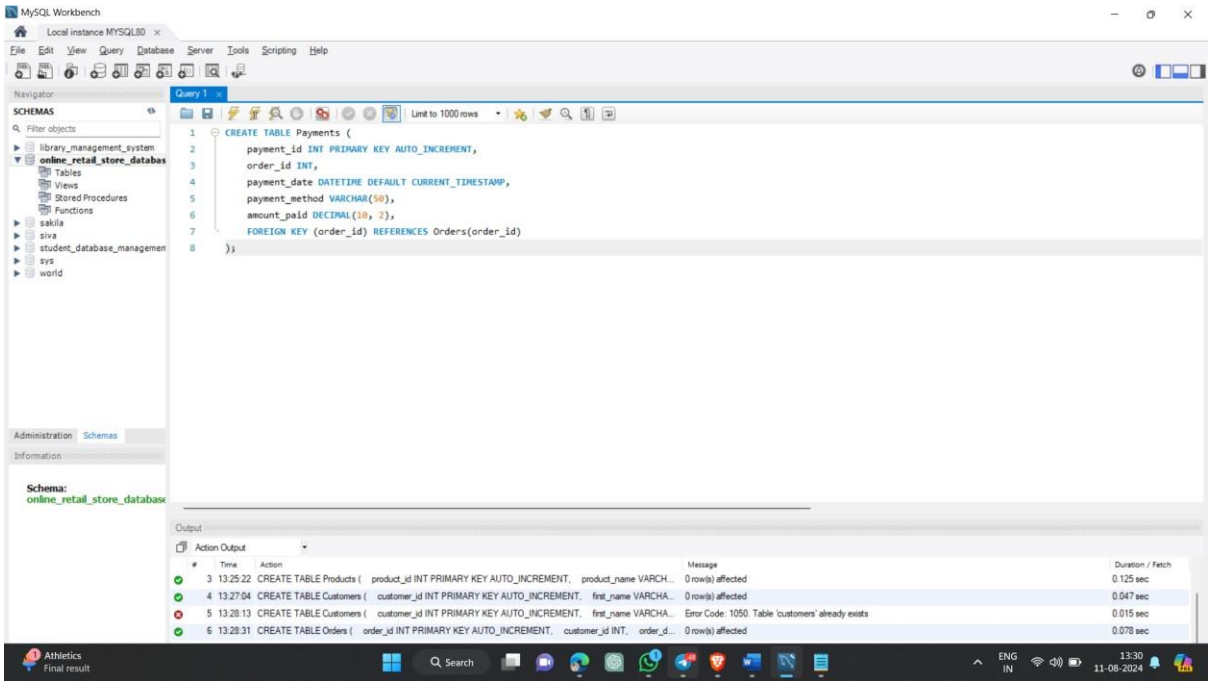
5) Orders Table :



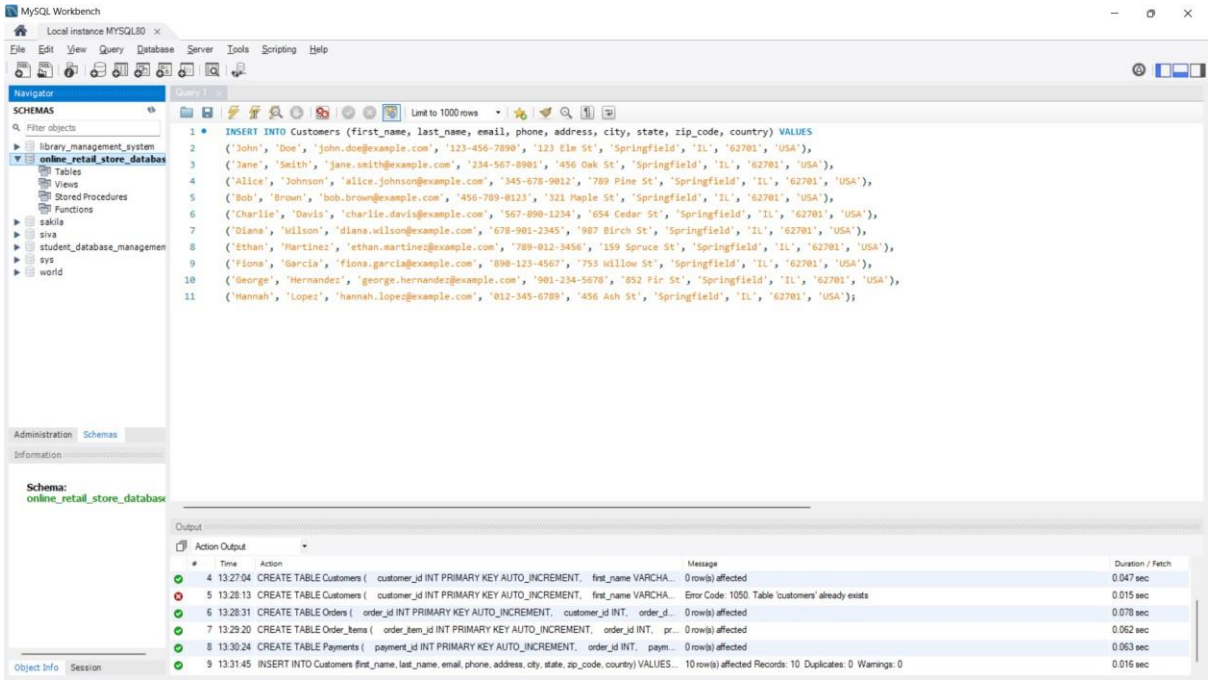
6) Order_Items Table :



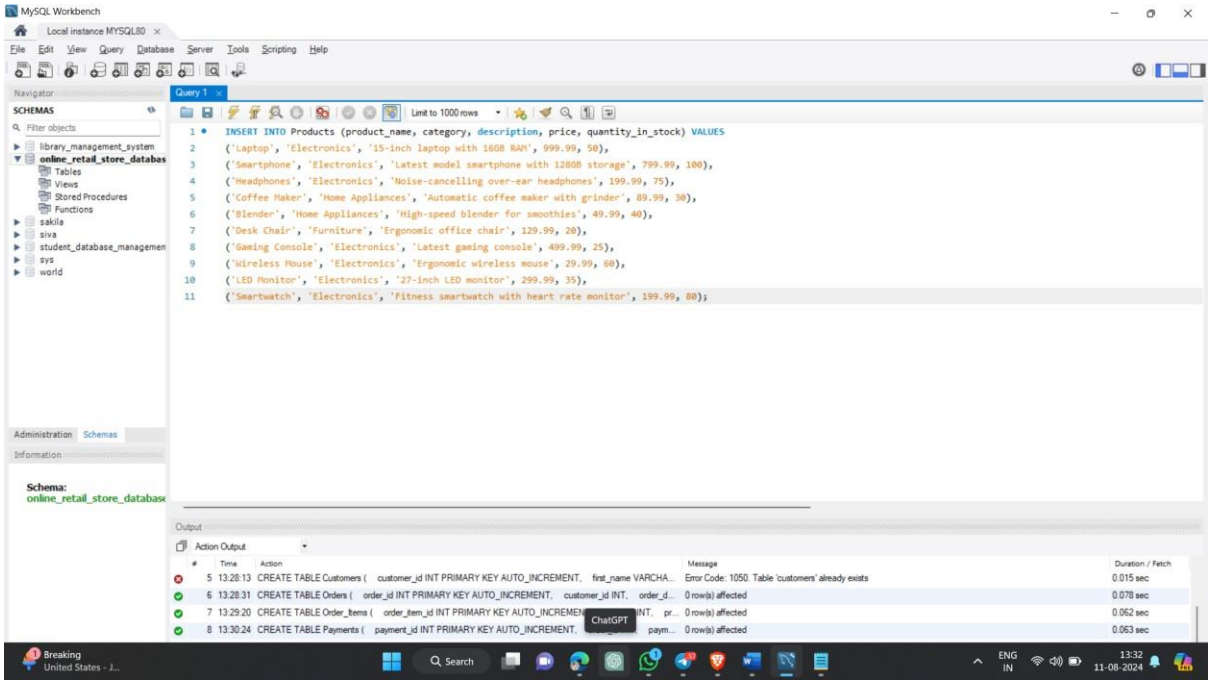
7) Payments Table :



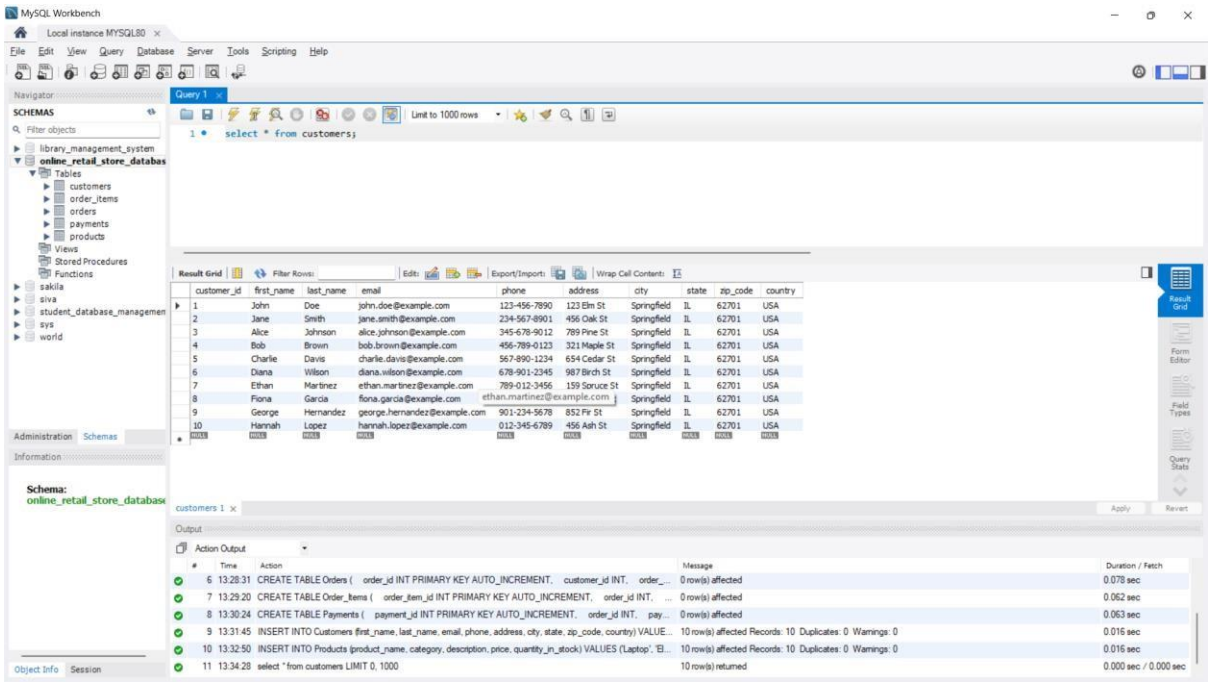
7) Inserting Customer's Data :



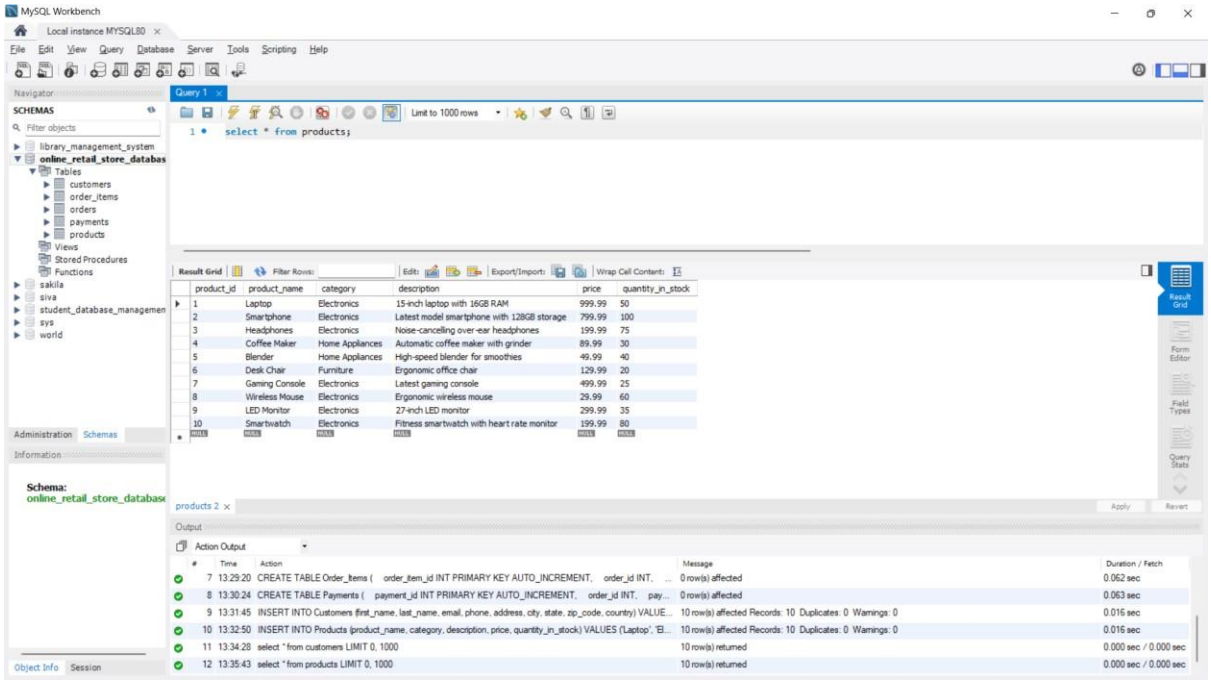
8) Inserting Products Data's:



9) Table view of customer's data:

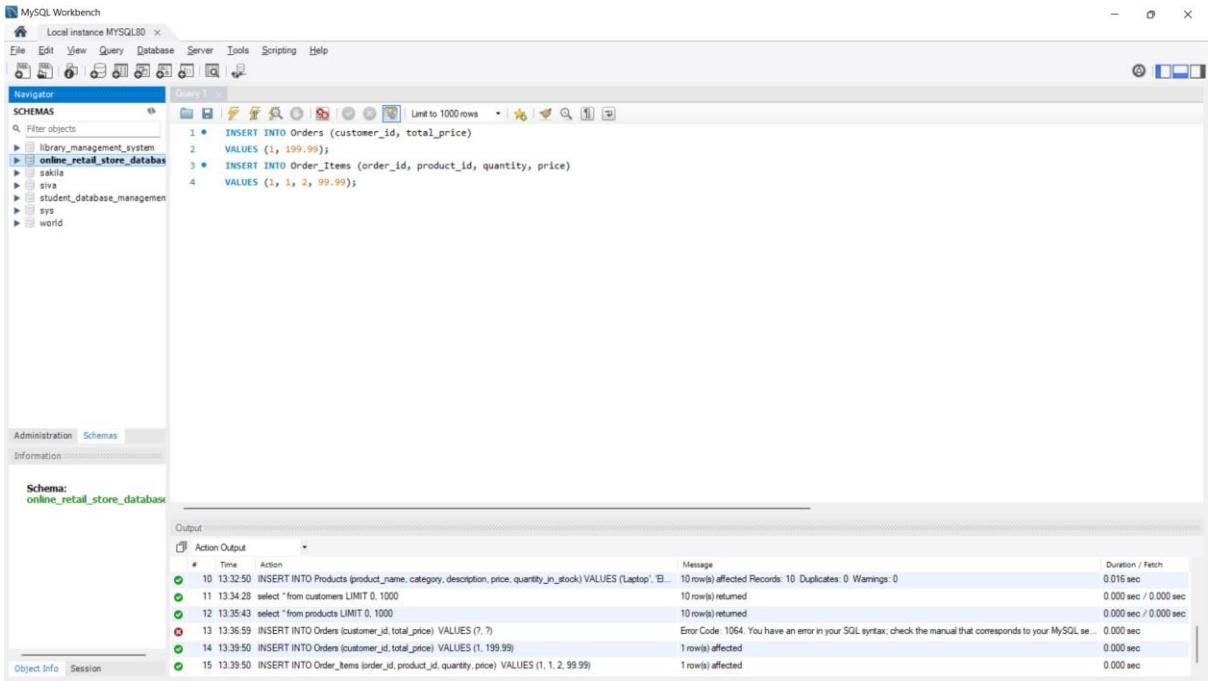


10) Table view of Product data:

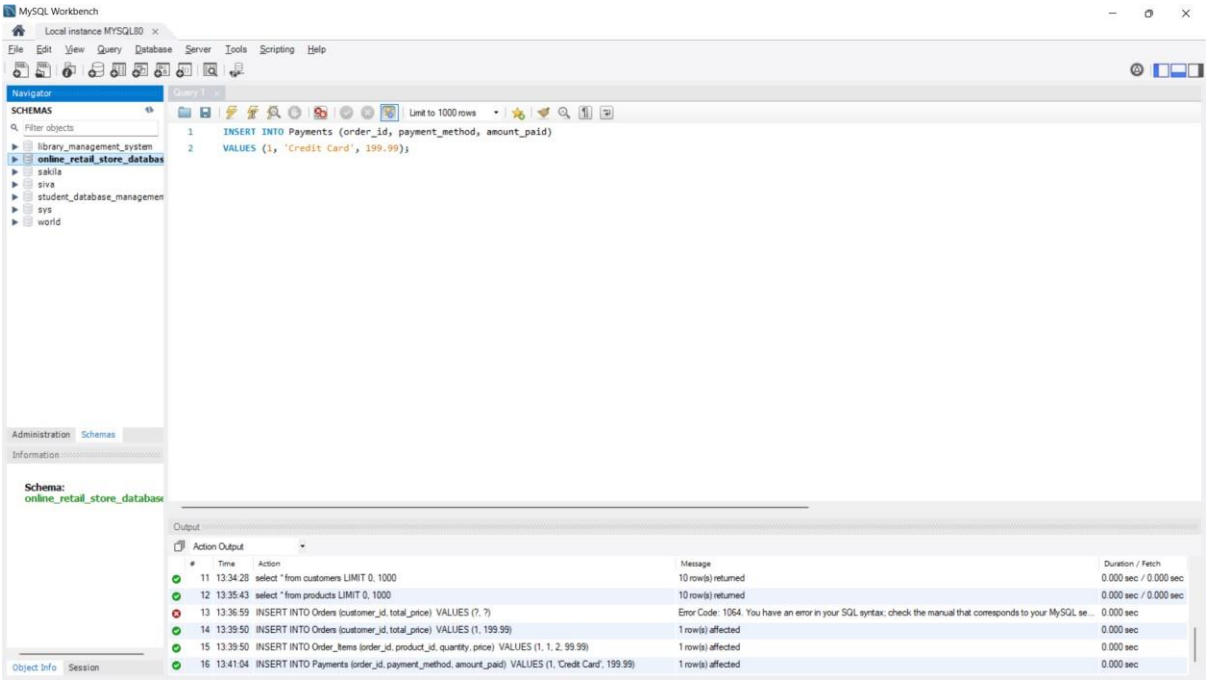


SQL Queries for Customer Orders and Payment Processing :

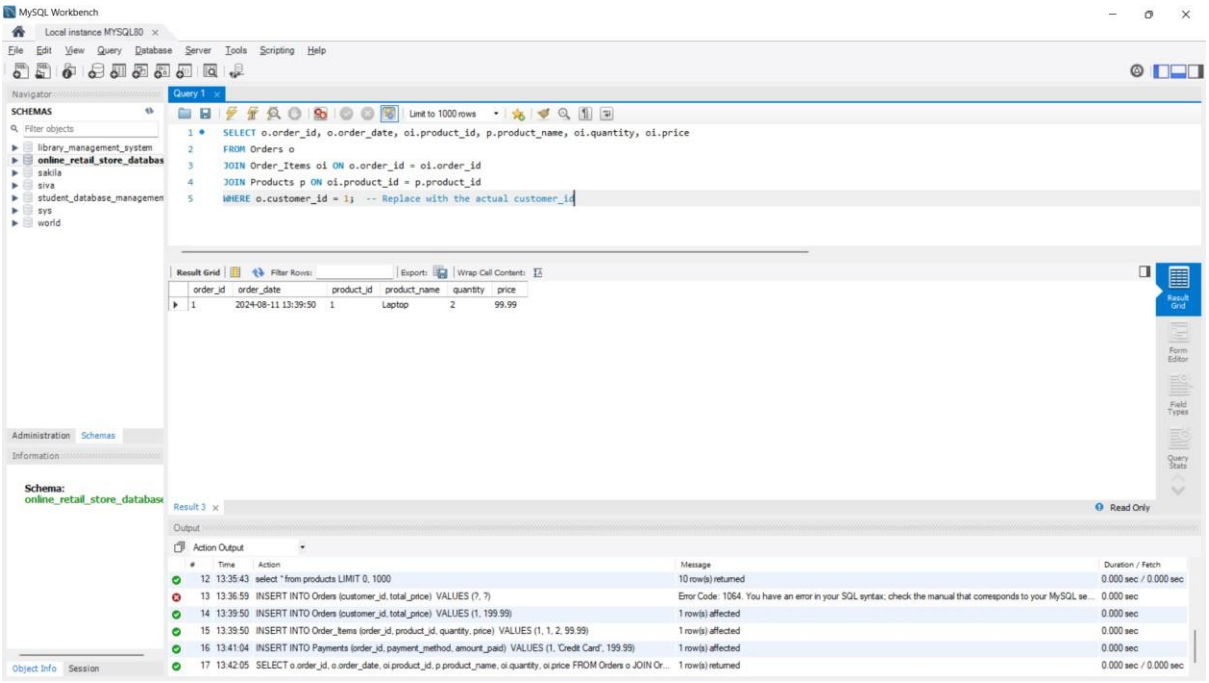
1) Placing an Order :



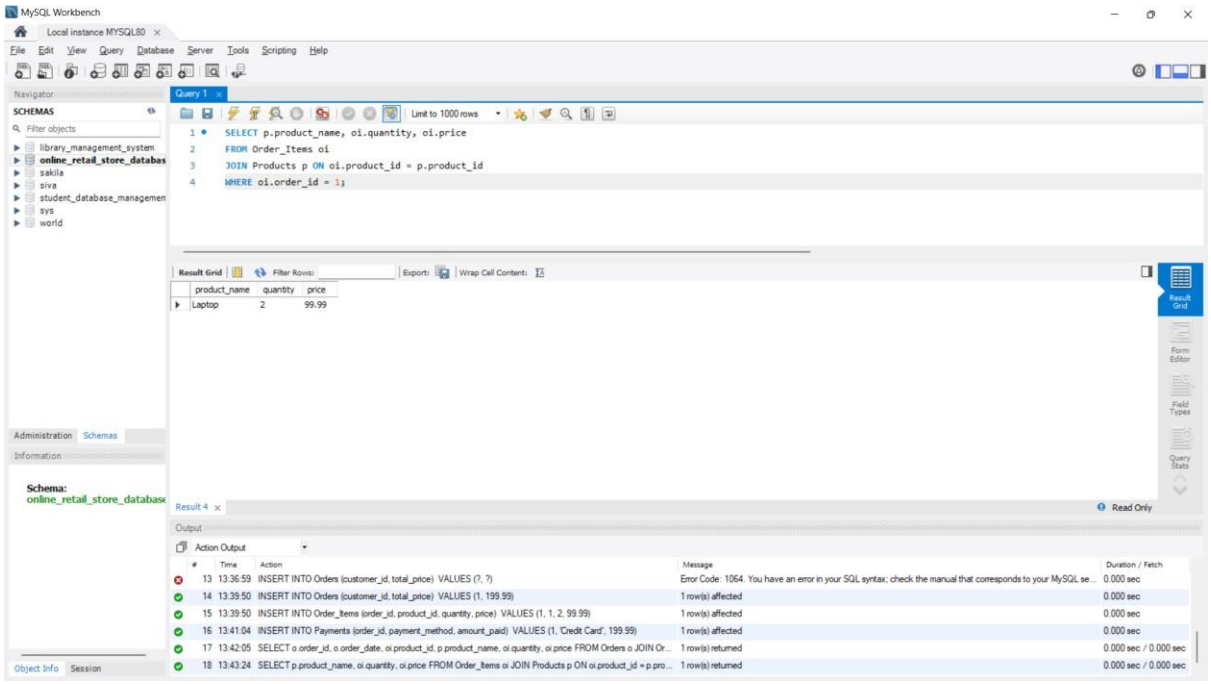
2) Processing Payment :



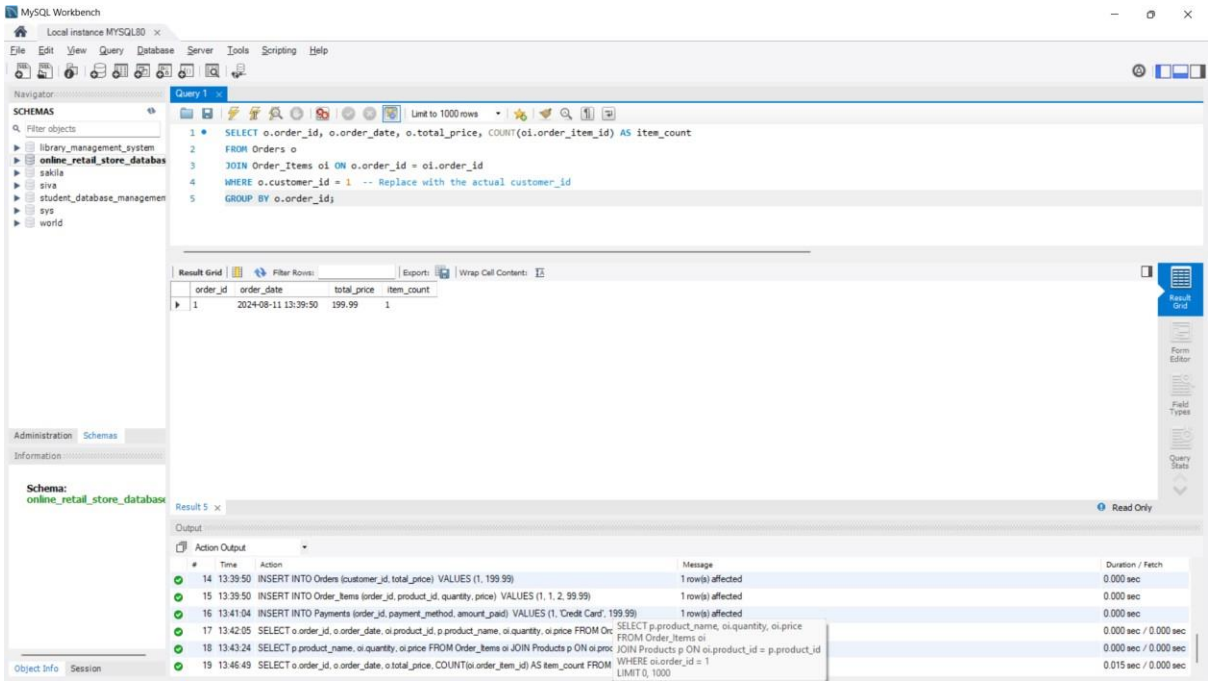
3) Viewing Customer Order History :



4) Retrieve All Products in an Order :



5) Retrieve All Orders for a Specific Customer :



Conclusion:

Thus, the SQL queries offer a robust set of tools for efficiently managing customer orders and payment processing in an online retail store database. By implementing these queries, retailers can streamline their operations, improve customer satisfaction, and gain valuable insights into their business performance.