

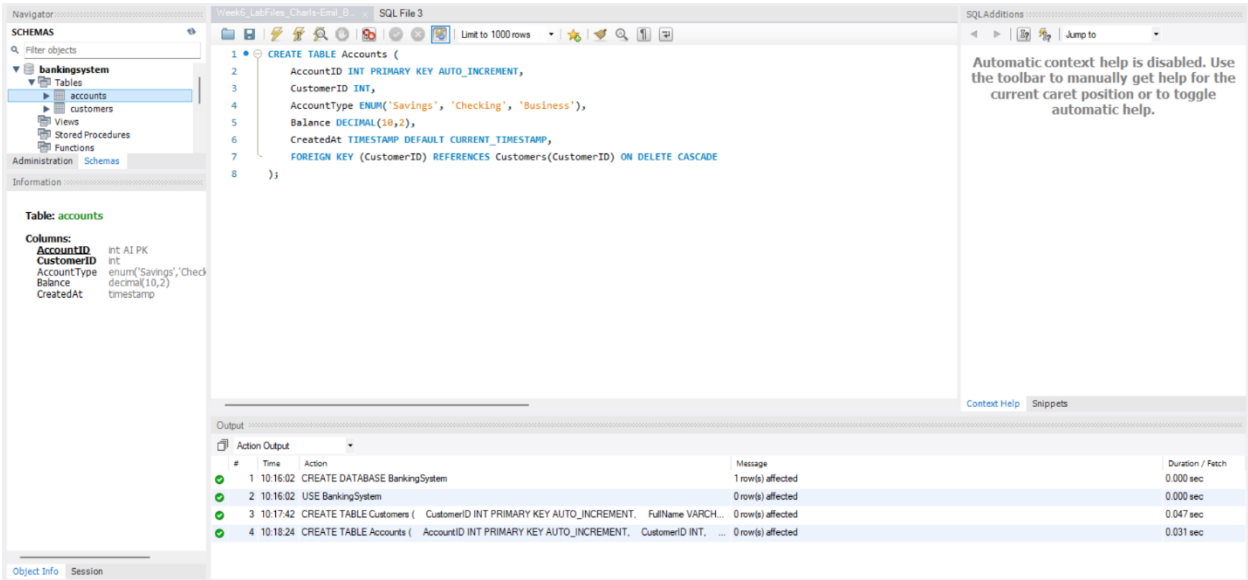


NAME: Charls Emil C. Barquin

SUBJECT: Information Management 1

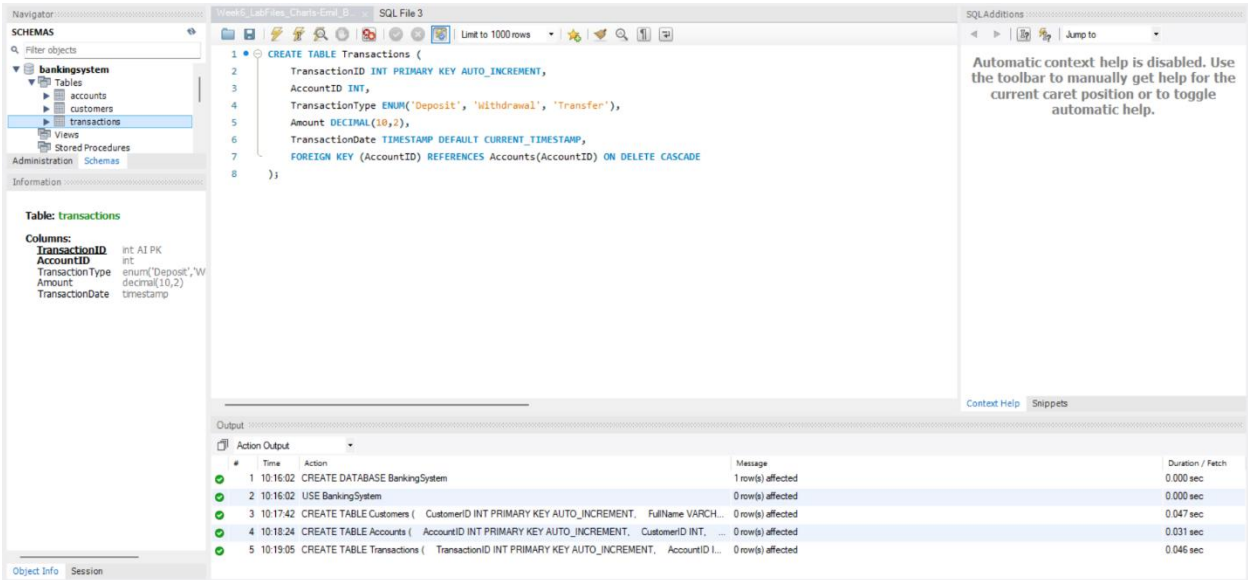
COURSE, YEAR & SECTION: BSIS-2A

PROFESSOR: Mr. Red Guillermo V. Jr.



Title: Setting Up the Accounts Table

Description: This table records bank accounts linked to customers. It allows different account types (Savings, Checking, Business), tracks balances, and automatically timestamps the account creation date.



Title: Recording Bank Transactions

Description: This table logs all financial transactions (Deposits, Withdrawals, Transfers) associated with an account. The TransactionDate field is automatically set to the current timestamp when a transaction occurs.

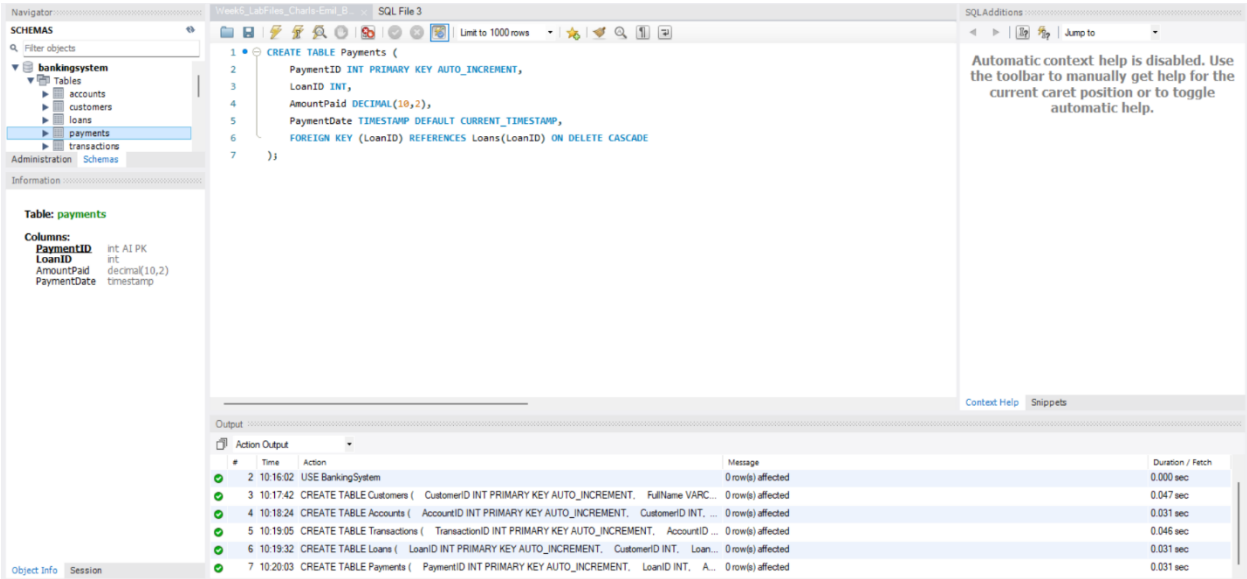
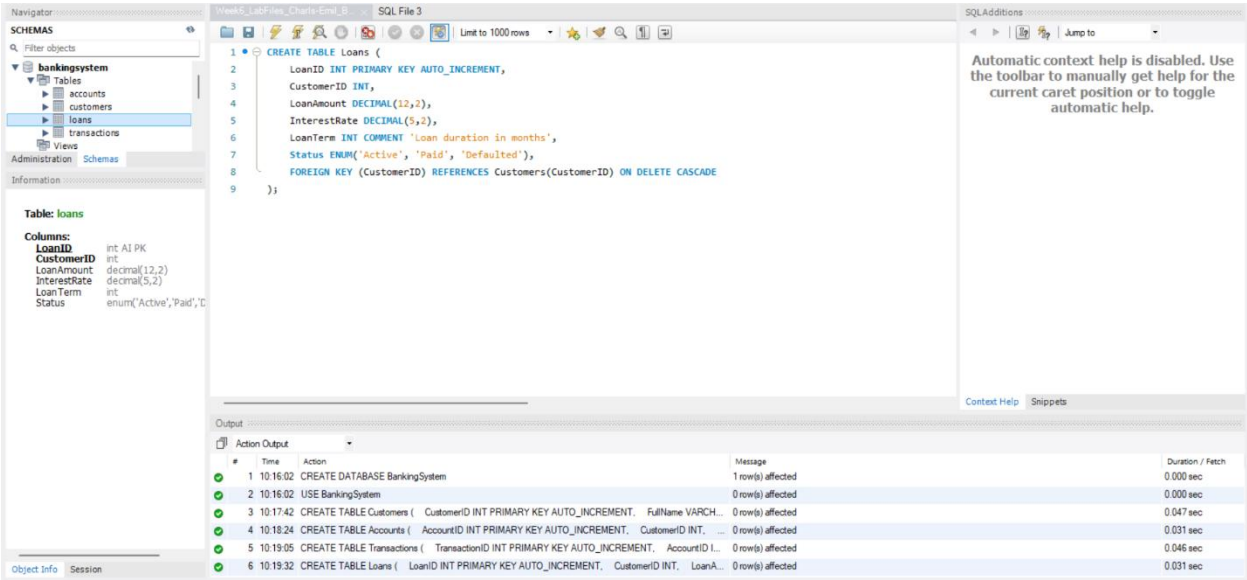


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SCHEMAS

Filter objects

bankingsystem

accounts

customers

loans

payments

transactions

Administration

Schemas

Information

Table: customers

Columns:

CustomerID int AI PK

FullName varchar(100)

Email varchar(100)

PhoneNumber varchar(15)

Address text

SQL File 3

Limit to 1000 rows

1 INSERT INTO Customers (FullName, Email, PhoneNumber, Address)

2 SELECT

3 CONCAT('Customer_', FLOOR(RAND() * 10000)),

4 CONCAT('user_', FLOOR(RAND() * 1000000), '@bank.com'),

5 CONCAT('+639', FLOOR(RAND() * 1000000000)),

6 CONCAT('Street_', FLOOR(RAND() * 10000), ', City_', FLOOR(RAND() * 100))

7 FROM

8 information_schema.tables

9 LIMIT 10000;

10

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Context Help Snippets

Output

Action Output

| # | Time | Action | Message | Duration / Fetch |
|---|----------|--|--|------------------|
| 3 | 10:17:42 | CREATE TABLE Customers (CustomerID INT PRIMARY KEY AUTO_INCREMENT, FullName VARC... | 0 row(s) affected | 0.047 sec |
| 4 | 10:18:24 | CREATE TABLE Accounts (AccountID INT PRIMARY KEY AUTO_INCREMENT, CustomerID INT, ... | 0 row(s) affected | 0.031 sec |
| 5 | 10:19:05 | CREATE TABLE Transactions (TransactionID INT PRIMARY KEY AUTO_INCREMENT, AccountID ... | 0 row(s) affected | 0.046 sec |
| 6 | 10:19:32 | CREATE TABLE Loans (LoanID INT PRIMARY KEY AUTO_INCREMENT, CustomerID INT, Loan... | 0 row(s) affected | 0.031 sec |
| 7 | 10:20:03 | CREATE TABLE Payments (PaymentID INT PRIMARY KEY AUTO_INCREMENT, LoanID INT, A... | 0 row(s) affected | 0.031 sec |
| 8 | 10:21:39 | INSERT INTO Customers (FullName, Email, PhoneNumber, Address) SELECT CONCAT(Customer_... | 260 row(s) affected Records: 260 Duplicates: 0 Warnings: 0 | 0.016 sec |

Object Info Session

Title: Adding Sample Customer Data

Description: This query inserts 10,000 randomly generated customer records, including fake names, emails, phone numbers, and addresses, for testing purposes.

SCHEMAS

Filter objects

bankingsystem

accounts

customers

loans

payments

transactions

Administration

Schemas

Information

Table: customers

Columns:

CustomerID int AI PK

FullName varchar(100)

Email varchar(100)

PhoneNumber varchar(15)

Address text

SQL File 3

Limit to 1000 rows

1 SELECT * FROM CUSTOMERS;

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Context Help Snippets

Result Grid

Filter Rows

| CustomerID | FullName | Email | PhoneNumber | Address |
|------------|---------------|---------------------|---------------|----------------------|
| 1 | Customer_5537 | user993778@bank.com | +639307706730 | Street_5571, City_86 |
| 2 | Customer_6427 | user625106@bank.com | +639197507249 | Street_1112, City_96 |
| 3 | Customer_4071 | user543408@bank.com | +639255495955 | Street_6472, City_46 |
| 4 | Customer_4071 | user626360@bank.com | +639910380228 | Street_6728, City_63 |
| 5 | Customer_1463 | user832904@bank.com | +639725444809 | Street_1285, City_46 |
| 6 | Customer_9455 | user329073@bank.com | +639808736031 | Street_564, City_85 |
| 7 | Customer_1110 | user987174@bank.com | +639602595931 | Street_514, City_44 |
| 8 | Customer_931 | user117108@bank.com | +639306181064 | Street_1795, City_97 |
| 9 | Customer_3580 | user852075@bank.com | +639186296120 | Street_3752, City_31 |
| 10 | Customer_4611 | user353661@bank.com | +639384916919 | Street_8630, City_16 |

CUSTOMERS 1

Apply Revert

Context Help Snippets

Output

Action Output

| # | Time | Action | Message | Duration / Fetch |
|---|----------|--|--|-----------------------|
| 4 | 10:18:24 | CREATE TABLE Accounts (AccountID INT PRIMARY KEY AUTO_INCREMENT, CustomerID INT, ... | 0 row(s) affected | 0.031 sec |
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| 7 | 10:20:03 | CREATE TABLE Payments (PaymentID INT PRIMARY KEY AUTO_INCREMENT, LoanID INT, ... | 0 row(s) affected | 0.031 sec |
| 8 | 10:21:39 | INSERT INTO Customers (FullName, Email, PhoneNumber, Address) SELECT CONCAT(Customer_... | 260 row(s) affected Records: 260 Duplicates: 0 Warnings: 0 | 0.016 sec |
| 9 | 10:22:28 | SELECT * FROM CUSTOMERS LIMIT 0, 1000 | 260 row(s) returned | 0.000 sec / 0.000 sec |

Object Info Session

Title: Retrieving Customer Records

Description: This query displays all records on the Customers table, allowing verification of stored data.



PROFESSOR: Mr. Red Guillermo V. Jr.

Description: This query fetches all records from the Accounts table, displaying details such as account type, balance, and the customer associated with each account. It helps verify that accounts were successfully created and linked to customers.

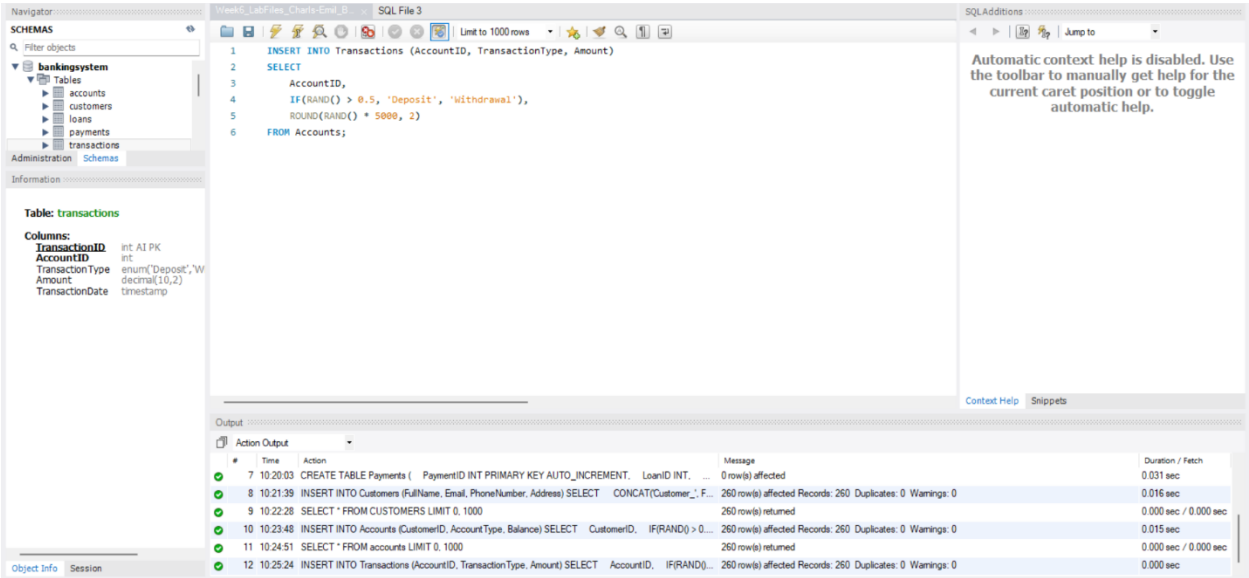


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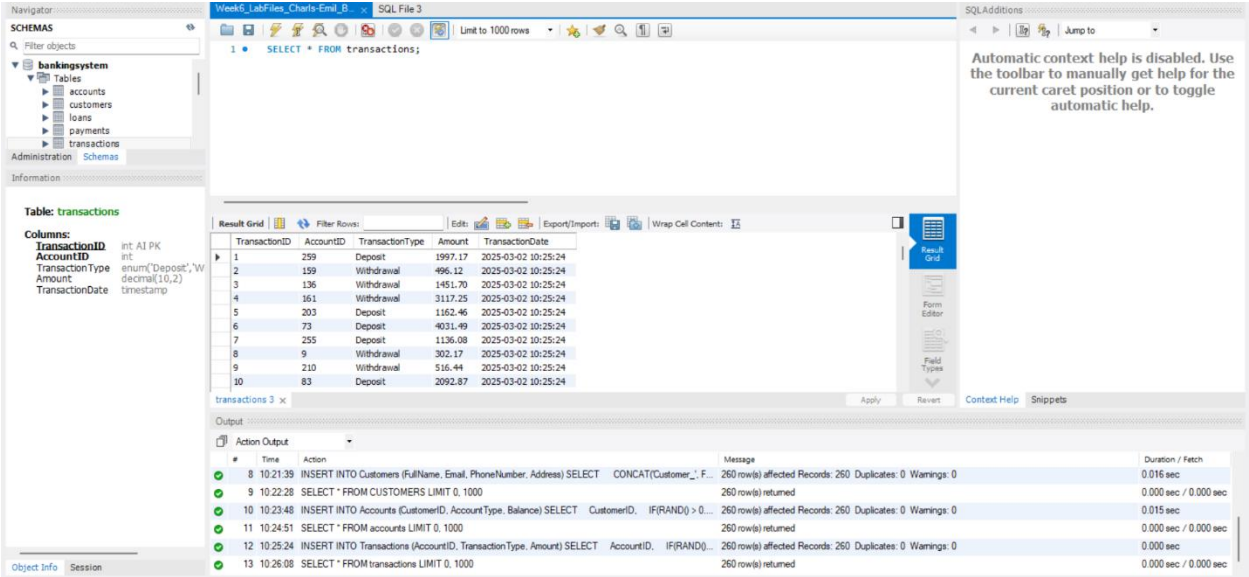
COURSE, YEAR & SECTION: BSIS-2A

PROFESSOR: Mr. Red Guillermo V. Jr.



Title: Simulating Deposits and Withdrawals

Description: This query inserts random transactions for each account, ensuring a mix of deposits and withdrawals with varying amounts.



Title: Reviewing Transaction Records

Description: This query retrieves all financial transactions, including deposits and withdrawals, along with their amounts and timestamps. It provides insights into customer banking activity and transaction history.

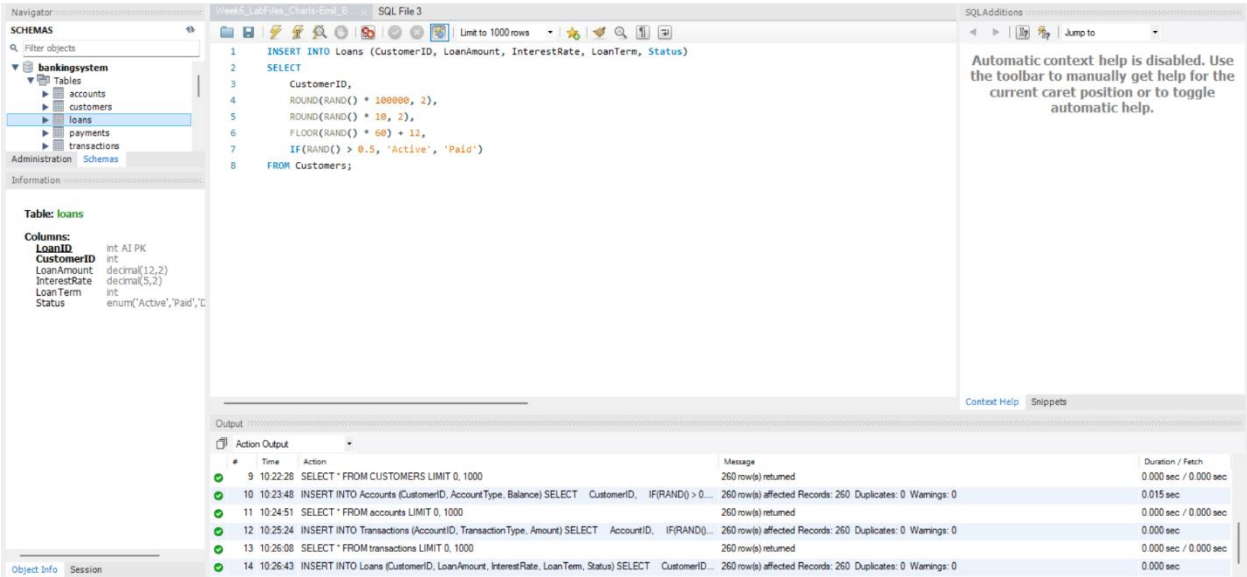


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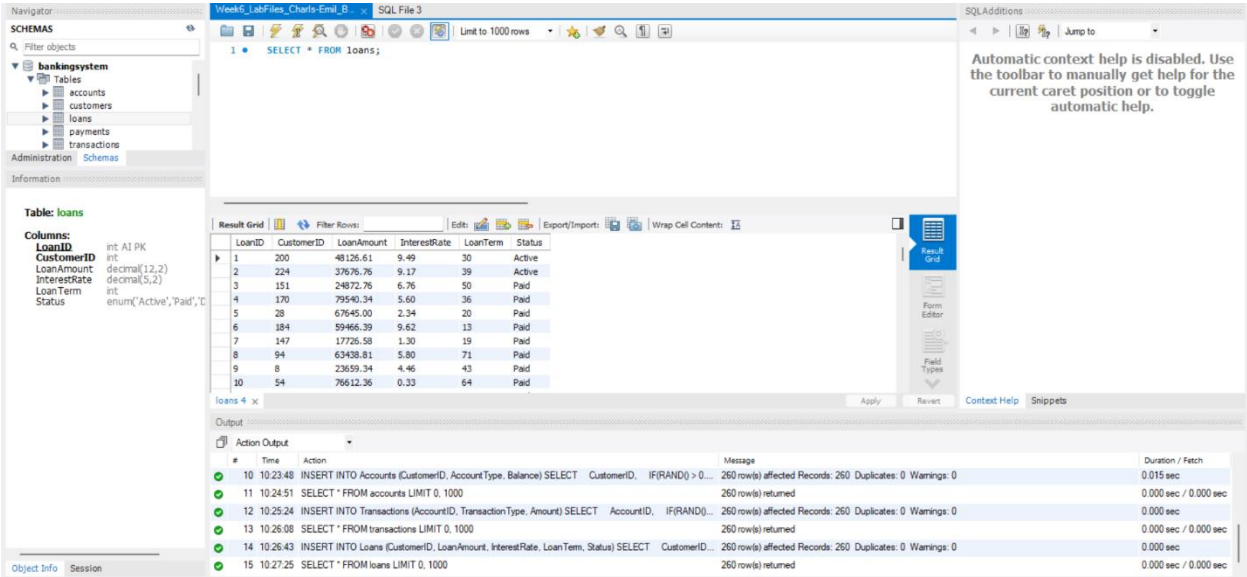
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Title: Generating Loan Records

Description: Assigns random loans to customers with varying amounts, interest rates, loan terms, and statuses.



Title: Checking Loan Details

Description: This query displays all loan records, including loan amounts, interest rates, terms, and statuses. It is useful for reviewing active and paid loans assigned to different customers.

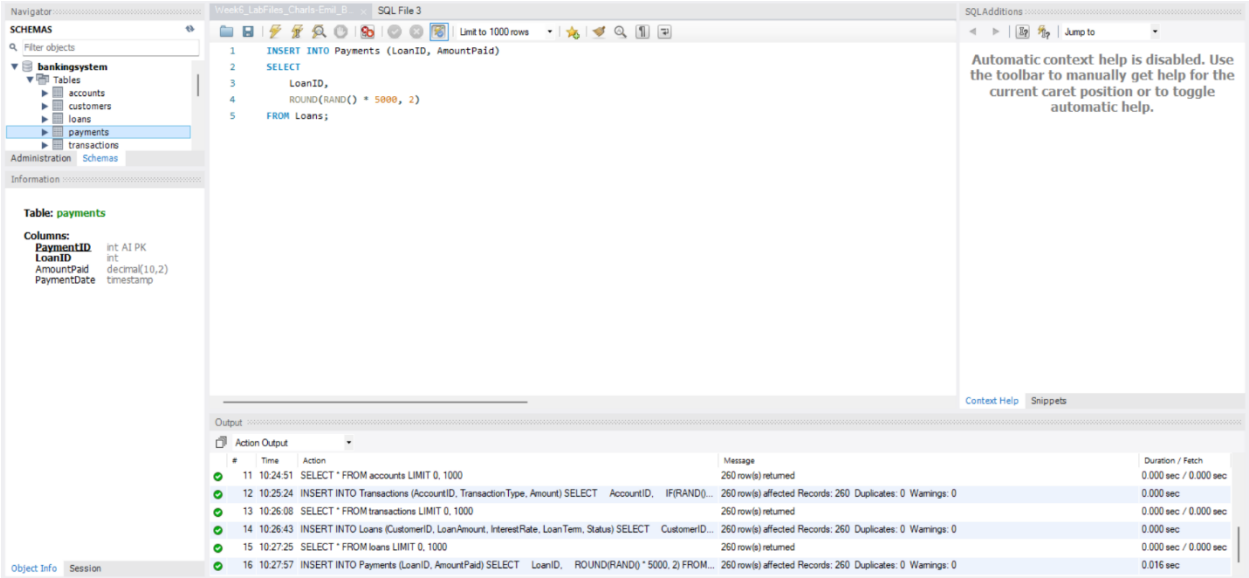


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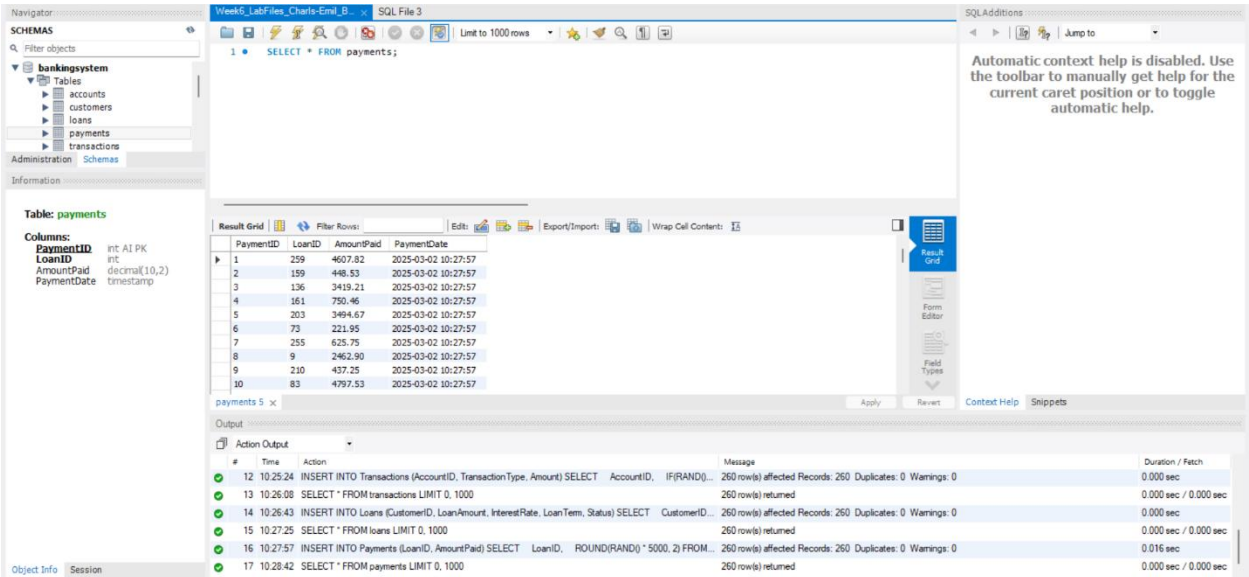
SUBJECT: Information Management 1

PROFESSOR: Mr. Red Guillermo V. Jr.



Title: Recording Loan Repayments

Description: This query inserts random payment amounts for active loans, simulating customer repayments.



Title: Verifying Loan Payments

Description: This query lists all recorded loan payments, showing the amounts paid and the corresponding loan IDs. It helps track repayment progress and ensure accurate payment records.

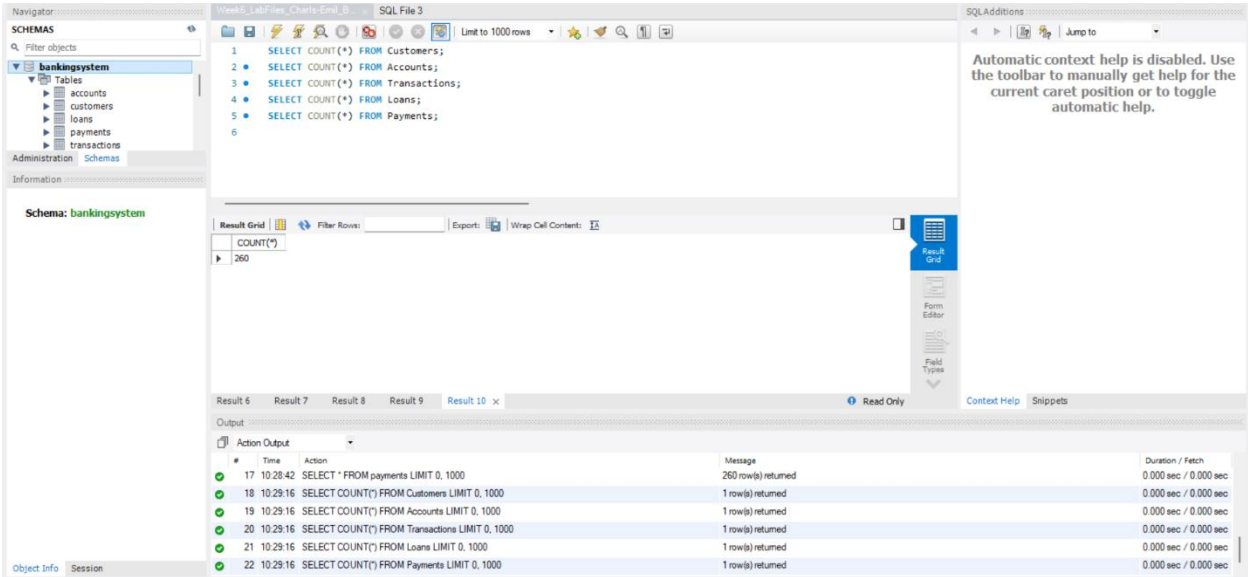


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Title: Checking Record Counts

Description: These queries count the total records in each table to verify data insertion and database population.