

SQL Operations for Axis Bank Customer Data



Objective:

This project aims to validate the SQL operations associated with the AxisBank_customer table. It involves testing the creation of the table, data insertion, and executing various queries to ensure data integrity and accurate retrieval of customer information. The focus will be on verifying customer records, KYC statuses, credit limits, and handling of various SQL queries. Additionally, the project aims to enhance database reliability by ensuring that queries function correctly and efficiently for reporting and analytics.

Scope:

This project will focus exclusively on the SQL operations for the Axis Bank customer data. Key aspects include:

- Creation of the AxisBank_customer table.
- Insertion of records for 20 customers.
- Execution of queries for retrieving data based on specific criteria.
- Validation of KYC statuses and credit limits.

Project Deliverables:

Table Creation and Data Insertion: Successfully create the AxisBank_customer table and insert 20 customer records.

SQL Queries: Develop and execute SQL queries to:

- Retrieve all customers with verified KYC status.
- Calculate balances for customers who have completed KYC.
- Determine the average balance limit for a specified state.
- Display names of customers with a credit limit greater than 45,000.
- Show customers' names with expiry dates after 2025 and credit limits above 50,000.

Roles and Responsibilities

- **Ambala Rakesh:** Creates the SQL table, Design the schema's and writes the necessary queries for creation of the AxisBank's Customer_table with Shubhadip Paul.
- **Shubhadip Paul:** SQL Developer - Creates the SQL table, Design the schema's and writes the necessary queries for creation of the AxisBank's Customer_table with Ambala Rakesh.

- **Mansi Santosh Mahale:** Created and inserted all the customer data into Axis Bank's Customer Data Table (20 customer data).
- **Middela Sathvika:** Created and run the query operation for (Query no -2 ,3 and 4) according to the FRD.
- **Bhabani Sankar Khadiratna:** Created and run the query operation for (Query no – 5 and 6) according to the FRD.
- **Additional Optimization:** We did some additional Query optimization in our database such as: Update the Customer IDs and optimizing the decimal value and round up it.

Tools and Resources:

Database Management System: Used SQL Server for database creation and management.

SQL Client Tools: SQL Server executing SQL commands.

Documentation: Word for documenting SQL queries and results.

Success Criteria:

The AxisBank_customer table is created successfully with all required attributes.

All records for 20 customers are inserted without errors.

SQL queries return accurate results as per requirements.

No critical issues are found in data integrity or query performance.

Test Closure Report:

Objective

To close the testing phase for the SQL operations on the Axis Bank customer data and confirm that all requirements have been met.

Summary:

Total Test Cases: 6

Passed: 6

Failed: 0

Coverage:

All SQL operations and customer data requirements are tested and covered by queries.

Defects:

Total Defects Found: 0

Resolved Defects: 0

Unresolved Defects:0
