

SQL PRACTICE ASSIGNMENT (Banking Dataset) BASIC DATA EXTRACTION

Tables Used

- `customers`
- `accounts`
- `transactions`
- `fx_rates`

Submission Guidelines

- Submit one or different consolidated `.sql` file
 - Each query should be clearly commented
 - **Deadline:** On or before Sunday. I need to see the script when next we meet, for you to run the query for me to see the query output for each task during the submission or meeting day.
 - You can use AI tools such as ChatGPT for learning and guidance for better understanding.
-

♦ SECTION A: Basic Data Extraction

1. Count the **total number of customers** in the database.
2. Count the **total number of accounts**.
3. Count the **total number of transactions**.
4. Retrieve records counts of `fx_rates`
5. Retrieve **customer ID, full name, phone, and email address** for customers whose date created is 1st January 2025.
6. Retrieve customers whose phone number is 0803499078
7. Retrieve customers whose email is `customer10850@bank.com` and `customer50306500@bank.com`
8. List 100 **active accounts** along with their current balances.
9. Retrieve 100 **savings accounts** with balances **greater than ₦500,000**.
10. List the account types that exist in the database.
11. Display the **100 transaction records**.
12. Retrieve 500 transactions with amounts **greater than ₦100,000**.
13. Display all **debit transactions** that occurred within the month of December 2025.
14. Help me get account details for account no ACC5273, it should show account name, email, opening date, status, phone, account type, customer id.
15. Help me get all account transaction details for the **account** ACC733869 in the past 3 months.
16. it should show account name, email, opening date, status, phone, account type, customer id, transaction id, transaction type, amount, transaction date, narrative.
17. Get transactions for account ACC1117425 with ATM narrative in the month of June 2025.
18. List 329 customers who do not own any accounts.
19. Show transaction ID, account type, and transaction amount for customer with id 1247 on the 12th and 20th of october 2025.
20. Retrieve 10 customers who own more than one account.

21. Display all transactions performed on current accounts in the month of June 2025.
22. List 500 customers whose account balance exceeds ₦1,000,000.
23. Display transaction details alongside their **USD FX rate** for the transaction date as of 7th January 2026 for account ACC5055287.
24. Get the transaction details for ACC11548604 in Jan 2026 and Convert all transaction amounts to USD using the `fx_rates` table as of 6th Jan 2026.
25. Calculate the total transaction amount per account in the month of January 2026.
26. Calculate the total number of transactions per customer in the month of January 2026.
27. Display the top 5 customers by total transaction value in the month of December 2025.
28. Calculate the average transaction amount for each customer between October 2025 and December 2025.
29. Display the maximum transaction and amount for account ACC1251635947.
30. Calculate the total transaction Credit turnover for all Savings accounts in the year 2025.
31. Calculate the total transaction Debit turnover for all Current accounts in the year 2025.