# Day 16 – SQL Practice: Banking Transactions Dataset

## 📊 Dataset Overview

You’re working with a SQL database for a digital banking system. It includes tables for Customers, Accounts, and Transactions. This set focuses on money flow analysis, customer profiling, and transaction patterns.

## 📁 Tables and Sample Data

1. Customers

|  |  |  |  |
| --- | --- | --- | --- |
| CustomerID | Name | Age | Country |
| 1 | Alice | 30 | USA |
| 2 | Bob | 45 | UK |
| 3 | Chitra | 28 | India |
| 4 | Diego | 35 | Brazil |
| 5 | Eva | 40 | Ger,any |

2. Accounts

|  |  |  |  |
| --- | --- | --- | --- |
| AccountID | CustomerID | AccountType | Balance |
| 101 | 1 | Savings | 5000.00 |
| 102 | 1 | Checking | 1200.00 |
| 103 | 2 | Savings | 8000.00 |
| 104 | 3 | Checking | 1500.00 |
| 105 | 4 | Savings | 700.00 |
| 106 | 5 | Savings | 9600.00 |

3. Transactions

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TransactionID | AccountID | Amount | TransactionType | TransactionDate |
| 1001 | 101 | 1000.00 | Deposit | 2024-06-01 |
| 1002 | 102 | 200.00 | Withdrawl | 2024-06-02 |
| 1003 | 103 | 3000.00 | Deposit | 2024-06-03 |
| 1004 | 104 | 500.00 | Withdrawl | 2024-06-05 |
| 1005 | 105 | 150.00 | Deposit | 2024-06-07 |
| 1006 | 106 | 800.00 | Deposit | 2024-06-09 |
| 1007 | 101 | 400.00 | Withdrawl | 2024-06-10 |

## 🧠 Practice Questions

1) List all customers along with their account types and balances.

2) Show total number of accounts per account type.

3) Calculate the total deposit amount per customer.

4) Find the top 3 customers with the highest total withdrawal amount.

5) Display customer names with the highest account balance.

6) Show the average transaction amount per transaction type.

7) List all transactions that happened in the first week of June 2024.

8) Show customers who made no transactions.

9) For each customer, calculate net transaction amount (deposit - withdrawal).

10) For each country, show the total balance held by customers.

🎯 Bonus Challenge

Identify customers who have more than 1 account and have made deposits totaling over 1000.