

Finance Analysis



Problem Statement

As Finance Analyst at 'The Big Bank', we have been tasked with finding out about our customers and their banking behaviour. We have to examine the accounts they hold and the type of transactions they make to develop greater insight into your customers.

Tables

Customers					Transactions				Branches			
CustomerID	FirstName	LastName	City	State	TransactionID	AccountID	TransactionDate	Amount	BranchID	BranchName	City	State
1	John	Doe	New York	NY	1	1	2022-01-01	-500	1	Main	New York	NY
2	Jane	Doe	New York	NY	2	1	2022-01-02	-250	2	Downtown	San Francisco	CA
3	Bob	Smith	San Francisco	CA	3	2	2022-01-03	1000	3	West LA	Los Angeles	CA
4	Alice	Johnson	San Francisco	CA	4	3	2022-01-04	-1000	4	East LA	Los Angeles	CA
5	Michael	Lee	Los Angeles	CA	5	3	2022-01-05	500	5	Uptown	New York	NY
6	Jennifer	Wang	Los Angeles	CA	6	4	2022-01-06	1000	6	Financial District	San Francisco	CA
					7	4	2022-01-07	-500	7	Midtown	New York	NY
					8	5	2022-01-08	-2500	8	South Bay	San Francisco	CA
					9	6	2022-01-09	500	9	Downtown	Los Angeles	CA
					10	6	2022-01-10	-1000	10	Chinatown	New York	NY
					11	7	2022-01-11	-500	11	Marina	San Francisco	CA
					12	7	2022-01-12	-250	12	Beverly Hills	Los Angeles	CA
					13	8	2022-01-13	1000	13	Brooklyn	New York	NY
					14	8	2022-01-14	-1000	14	North Beach	San Francisco	CA
					15	9	2022-01-15	500	15	Pasadena	Los Angeles	CA

Accounts				
AccountID	CustomerID	BranchID	AccountType	Balance
1	1	5	Checking	1000
2	1	5	Savings	5000
3	2	1	Checking	2500
4	2	1	Savings	####
5	3	2	Checking	7500
6	3	2	Savings	####
7	4	8	Checking	5000
8	4	8	Savings	####
9	5	14	Checking	####
10	5	14	Savings	####
11	6	2	Checking	5000
12	6	2	Savings	####
13	1	5	Credit Card	-500
14	2	1	Credit Card	-1000
15	3	2	Credit Card	-2000

Questions

- What are the names of all the customers who live in New York?
- What is the total number of accounts in the Accounts table?
- What is the total balance of all checking accounts?
- What is the total balance of all accounts associated with customers who live in Los Angeles?
- Which branch has the highest average account balance?
- Which customer has the highest current balance in their accounts?
- Which customer has made the most transactions in the Transactions table?
- Which branch has the highest total balance across all of its accounts?
- Which customer has the highest total balance across all of their accounts, including savings and checking accounts?
- Which branch has the highest number of transactions in the Transactions table?