
Lab Sheet 04

Consider the schema for the Bank example you have used in the previous two lab sheets as follows:

Bank (bCode, bankName, registration)

Branch (bCode, branchNo, branchName, address)

Foreign key (bCode) references Bank (bCode)

AccountType (accCode, accName, description, intRate, maxCheques, type)

Account (accNo, balance, bCode, branchNo, accCode)

Foreign key (bCode,branchNo) references Branch(bCode,branchNo)

Foreign key (accCode) references AccountType(accCode)

Customer (custNo, custName, address, phone, NIC, PIN)

Belongs_to (custNo, accNo)

Foreign key (custNo) references Customer (custNo)

Foreign key (accNo) references Account (accNo)

Transaction (tid, amount , description, executedBy, date)

Has (tid, accountNo, type)

Foreign key (accNo) references Account (accNo)

Foreign key (tid) references Transaction (tid)

Answer the following questions based on the above schema. Use the tables you have created in Lab Sheet 03 to check the correctness of your answers.

1. Find the account numbers of accounts with a balance over 1 million.

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2. Find the money credited to account number 51678 via cheques.

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3. Find the names of Account numbers and balances of Accounts in 'Panadura' branch of bank with bank code '1.

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4. Find the account number, balance and account type ('Savings','Current') of all accounts belonging to customer with NIC '856200009V' in Sampath Bank

5. Find the total amount of money in accounts of 'Seylan Bank' in Gampaha.

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6. Find the total amount of money withdrawn from Commercial Bank between 1st to 10th March 2020 via ATMs.

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7. Find the names of customers who has a total of balances of accounts in Commercial bank over 10 million.

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8. Find the account numbers of accounts which has over 100,000 rupees withdrawn via ATMs in March 2020.

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9. Find the names of customers who has current accounts in Bank of Ceylon but not savings accounts.

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10. Find the account numbers of savings accounts with no withdrawals performed on between 1st July 2019 to 31st December 2019.

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