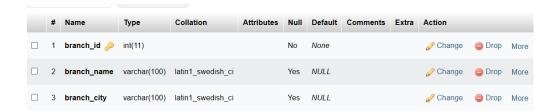
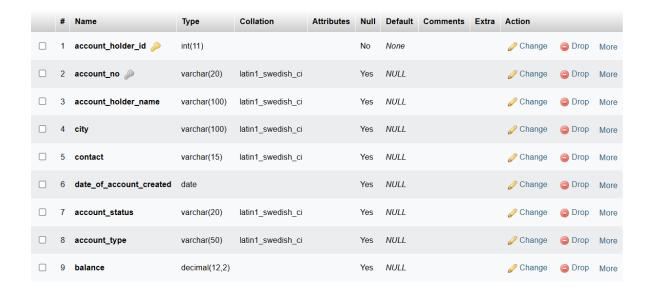
Step 1: Create Tables

```
-- Bank Table
CREATE TABLE Bank (
branch_id INT PRIMARY KEY,
branch_name VARCHAR(100),
branch_city VARCHAR(100)
);
```



-- Account Holder Table

```
CREATE TABLE Account_Holder (
    account_holder_id INT PRIMARY KEY,
    account_no VARCHAR(20) UNIQUE,
    account_holder_name VARCHAR(100),
    city VARCHAR(100),
    contact VARCHAR(15),
    date_of_account_created DATE,
    account_status VARCHAR(20), -- 'active' or
'terminated'
    account_type VARCHAR(50),
    balance DECIMAL(12, 2)
);
```



-- Loan Table
CREATE TABLE Loan (
 loan_no INT PRIMARY KEY,
 branch_id INT,
 account_holder_id INT,
 loan_amount DECIMAL(12, 2),
 loan_type VARCHAR(50),
 FOREIGN KEY (branch_id) REFERENCES
Bank(branch_id),
 FOREIGN KEY (account_holder_id)
REFERENCES
Account_Holder(account_holder_id)
);



Step 2: Intra-Bank Transfer Transaction (Transfer \$100 from Account A to B)

- -- Assume we know account numbers A and B START TRANSACTION;
- -- Debit from Account A UPDATE Account_Holder SET balance = balance - 100 WHERE account_no = 'A';
- -- Credit to Account B
 UPDATE Account_Holder
 SET balance = balance + 100
 WHERE account_no = 'B';



COMMIT;

You should also add error checks for balance underflow in a real system using procedures or triggers.

Step 3: Fetch Account Holders from the Same City

SELECT a1.account_holder_id, a1.account_holder_name, a1.city FROM Account_Holder a1 JOIN Account_Holder a2 ON a1.city = a2.city AND a1.account_holder_id <> a2.account_holder_id;



Step 4: Fetch Account No and Name Where Account Created After 15th of Any Month

SELECT account_no, account_holder_name FROM Account_Holder WHERE DAY(date_of_account_created) > 15;



Step 5: Display City and Count of Branches (Alias: Count_Branch)

SELECT branch_city, COUNT(*) AS Count_Branch FROM Bank GROUP BY branch_city;



Step 6: Display Account Holder ID, Name, Branch ID, and Loan Amount Using JOIN

```
SELECT
ah.account_holder_id,
ah.account_holder_name,
l.branch_id,
l.loan_amount
FROM
Loan I
JOIN
```

Account_Holder ah ON l.account_holder_id = ah.account_holder_id;

