1. Create Bank Table

sql

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

2. Create Account Holder Table

```
CREATE TABLE Account_Holder (
    account_holder_id INT PRIMARY KEY,
    account_no VARCHAR(20),
    account_holder_name VARCHAR(100),
    city VARCHAR(100),
    contact VARCHAR(15),
    date_of_account_created DATE,
    account_status VARCHAR(20),
    account_type VARCHAR(20),
    balance DECIMAL(10,2)
);
```

3. Create Loan Table

```
CREATE TABLE Loan (
    loan_no INT PRIMARY KEY,
    branch_id INT,
    account_holder_id INT,
    loan_amount DECIMAL(10,2),
    loan_type VARCHAR(50),
    FOREIGN KEY (branch_id) REFERENCES Bank(branch_id),
    FOREIGN KEY (account_holder_id) REFERENCES Account_Holder(account_holder_id)
);
```

4. SQL Transaction: Transfer $100 from Account A to B

```
START TRANSACTION;

UPDATE Account_Holder
SET balance = balance - 100
WHERE account_no = 'A';

UPDATE Account_Holder
SET balance = balance + 100
WHERE account_no = 'B';

COMMIT;
```

5. Fetch Account Holders from Same City

```
SELECT *
FROM Account_Holder AH1
WHERE EXISTS (
   SELECT 1
   FROM Account_Holder AH2
   WHERE AH1.city = AH2.city
     AND AH1.account_holder_id <> AH2.account_holder_id
);
```

6. Accounts Created After 15th of Any Month

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

7. Display City Name and Count of Branches

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

8. Display Account Holders with Loan Details (Using JOIN)

```
SELECT AH.account_holder_id, AH.account_holder_name, L.branch_id, L.loan_amount
FROM Account_Holder AH
```

```
JOIN Loan L ON AH.account_holder_id = L.account_holder_id;
```