SQL Assessment

```
CREATE TABLE Bank (
         branch_id int PRIMARY KEY,
         branch_name text,
         branch_city text
       );
CREATE TABLE Account_Holder (
         account_holder_id int PRIMARY KEY,
         account_no int,
         account_holder_name text,
         city text,
         contact text,
         date_account_created date,
         account_status text,
         account_type text,
         balance int
       );
CREATE TABLE Loan (
         loan_no int PRIMARY KEY,
         branch_id int,
         account_holder_id int,
         loan_amount int,
         loan_type text,
         FOREIGN KEY (branch_id) REFERENCES Bank(branch_id),
         FOREIGN KEY (account_holder_id) REFERENCES Account_Holder(account_holder_id)
        );
```

❖ Consider an example where there's an account holder table where we are doing an intra bank transfer i.e. a person holding account A is trying to transfer \$100 to account B.

BEGIN;

```
-- Deduct from Account A (Debited account)

UPDATE Account_holder

SET balance = balance - 100

WHERE account_no = 238171892405;

-- Add to Account B (Credited account)

UPDATE Account_holder

SET balance = balance + 100

WHERE account_no = 238171892401;

COMMIT;
```

Also fetch the details of the account holder who are related from the same city

```
SELECT account_holder_id, account_holder_name, city
FROM Account_holder
WHERE city ='Gandhinagar';
```

Write a query to fetch account number and account holder name, whose accounts were created after 15th of any month

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

Write a query to display the city name and count the branches in that city. Give the count of branches an alias name of Count Branch.

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

Write a query to display the account holder's id, account holder's name, branch id, and loan amount for people who have taken loans.

```
SELECT a.account_holder_id, a.account_holder_name, l.branch_id, l.loan_amount FROM Account_holder a

JOIN Loan I ON a.account_holder_id = l.account_holder_id;
```