SQL Assesssment

```
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 l ON a.account_holder_id = l.account_holder_id;
```