Assesment

1. Create database query:

CREATE DATABASE assesment1

1. Create table

-- Bank table

CREATE TABLE Bank (

branch\_id INT PRIMARY KEY AUTO\_INCREMENT,

branch\_name VARCHAR(50),

branch\_city VARCHAR(50)

);

-- Loan table

CREATE TABLE Loan (

loan\_no INT PRIMARY KEY AUTO\_INCREMENT,

branch\_id INT UNIQUE KEY,

account\_holder\_id INT UNIQUE KEY,

loan\_amount bigint,

loan\_type VARCHAR(50),

FOREIGN KEY (branch\_id) REFERENCES Bank(branch\_id)

-- Account holder table

CREATE TABLE AccountHolder (

account\_holder\_id INT PRIMARY KEY AUTO\_INCREMENT,

account\_no INT UNIQUE KEY,

account\_holder\_name VARCHAR(100),

city VARCHAR(50),

contact VARCHAR(20) UNIQUE KEY,

date\_created DATE,

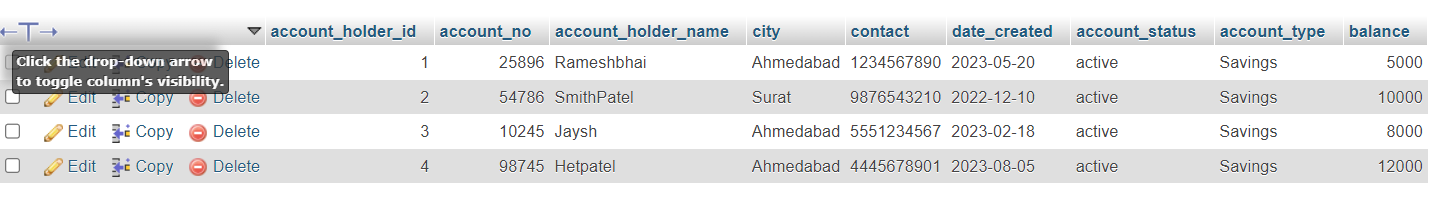
account\_status VARCHAR(20),

account\_type VARCHAR(50),

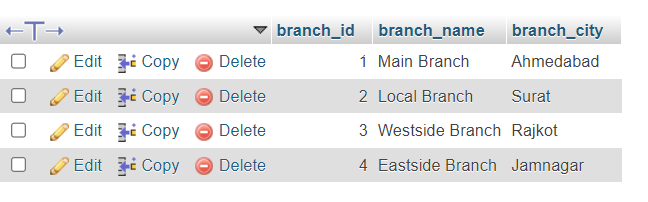
balance bigint

);

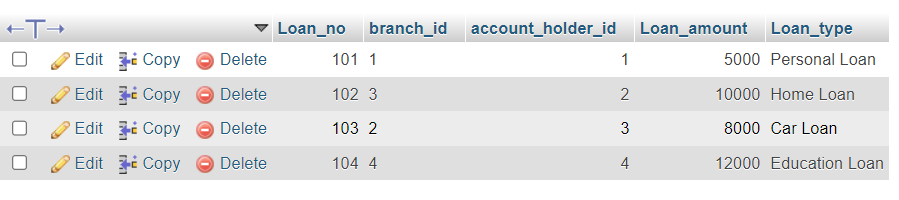
Account holder table



Bank table



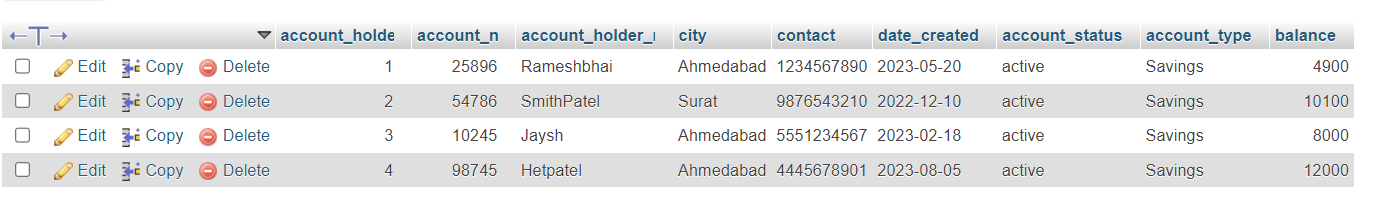
Loan table



1. account A is trying to transfer $100 to account B.

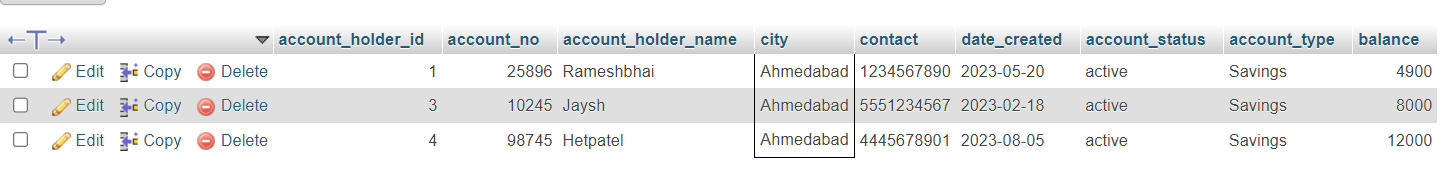
UPDATE account\_holder SET balance = balance - 100 WHERE account\_holder\_id = 1;

UPDATE account\_holder SET balance = balance + 100 WHERE account\_holder\_id = 2;



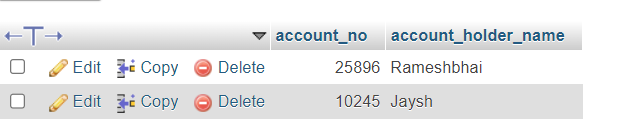
1. Also fetch the details of the account holder who are related from the same city

SELECT \* FROM account\_holder WHERE city = ‘Ahemedabad’;



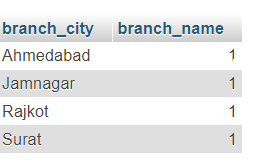
1. Write a query to fetch account number and account holder name, whose accounts were created after 15th of any month

SELECT account\_no,account\_holder\_name FROM account\_holder WHERE DAY(date\_created) > 15



1. 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\_city) AS branch\_name FROM banktable GROUP BY branch\_city;



1. 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. (NOTE : use sql join concept to solve the query)

SELECT account\_holder.account\_holder\_id,account\_holder.account\_holder\_name,loan.branch\_id,loan.Loan\_amount

FROM account\_holder JOIN loan ON

account\_holder.account\_holder\_id = loan.account\_holder\_id;

