1. Create the following tables. Solve queries by SQL

• Deposit (actno,cname,bname,amount,adate)

• Branch (bname,city)

• Customers (cname, city)

• Borrow(loanno,cname,bname, amount)

Add primary key and foreign key wherever applicable.

* Insert data into the above created tables.

CREATE TABLE Deposit (

actno INT PRIMARY KEY,

cname VARCHAR(255),

bname VARCHAR(255),

amount DECIMAL(10, 2),

adate DATE,

FOREIGN KEY (cname) REFERENCES Customers(cname),

FOREIGN KEY (bname) REFERENCES Branch(bname)

);

CREATE TABLE Branch (

bname VARCHAR(255) PRIMARY KEY,

city VARCHAR(255)

);

CREATE TABLE Customers (

cname VARCHAR(255) PRIMARY KEY,

city VARCHAR(255)

);

CREATE TABLE Borrow (

loanno INT PRIMARY KEY,

cname VARCHAR(255),

bname VARCHAR(255),

amount DECIMAL(10, 2),

FOREIGN KEY (cname) REFERENCES Customers(cname),

FOREIGN KEY (bname) REFERENCES Branch(bname)

);

-- Insert data into the Branch table

INSERT INTO Branch (bname, city)

VALUES

('Main', 'Mumbai'),

('Downtown', 'Mumbai'),

('North', 'Delhi'),

('South', 'Chennai'),

('East', 'Kolkata'),

('Karolbagh', 'Delhi');

-- Insert data into the Customers table

INSERT INTO Customers (cname, city)

VALUES

('Anil', 'Pune'),

('Rajesh', 'Mumbai'),

('Sarika', 'Delhi'),

('Pooja', 'Chennai'),

('Amit', 'Kolkata'),

('Sunil', 'Pune');

-- Insert data into the Deposit table

INSERT INTO Deposit (actno, cname, bname, amount, adate)

VALUES

(101, 'Anil', 'Main', 5000.00, '2023-11-01'),

(102, 'Rajesh', 'Downtown', 7500.00, '2023-11-02'),

(103, 'Sarika', 'North', 3000.00, '2023-11-03'),

(104, 'Pooja', 'South', 6000.00, '2023-11-04'),

(105, 'Amit', 'East', 9000.00, '2023-11-05'),

(106, 'Sunil', 'Karolbagh', 4000.00, '2023-11-06');

-- Insert data into the Borrow table

INSERT INTO Borrow (loanno, cname, bname, amount)

VALUES

(201, 'Anil', 'Main', 2000.00),

(202, 'Rajesh', 'Downtown', 3000.00),

(203, 'Sarika', 'North', 1500.00),

(204, 'Pooja', 'South', 2500.00),

(205, 'Amit', 'East', 4000.00),

(206, 'Sunil', 'Karolbagh', 3500.00);

* a. Display account date of customers Anil.

SELECT adate

FROM Deposit

WHERE cname = 'Anil';

* b. Modify the size of attribute of amount in deposit

-- Assuming you want to increase the size to (12, 2)

ALTER TABLE Deposit

MODIFY amount DECIMAL(12, 2);

* c. Display names of customers living in city pune.

SELECT cname

FROM Customers

WHERE city = 'Pune';

* d. Display name of the city where branch KAROLBAGH is located.

SELECT city

FROM Branch

WHERE bname = 'Karolbagh';

* e. Find the number of tuples in the customer relation

SELECT COUNT(\*) AS num\_tuples

FROM Customers;

* f. Delete all the record of customers Sunil

DELETE FROM Customers

WHERE cname = 'Sunil';

* g. Create a view on deposit table.

CREATE VIEW DepositView AS

SELECT actno, cname, bname, amount, adate

FROM Deposit;