Create the following tables. And Solve following queries by SQL

1. Deposit (actno,cname,bname,amount,adate)
2. Branch (bname,city)
3. Customers (cname, city)
4. Borrow (loanno, cname, bname, amount) Add primary key and foreign key wherever applicable.

Insert data into the above created tables.

a. Display names of all branches located in city Bombay.

b. Display account no. and amount of depositors.

c. Update the city of customers Anil from Pune to Mumbai

d. Find the number of depositors in the bank

e. Calculate Min,Max amount of customers.

f. Create an index on deposit table g. Create View on Borrow table.

Step 1: Create Tables

sql

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```
-- Create Branch table
CREATE TABLE Branch (
  bname VARCHAR(100) PRIMARY KEY,
  city VARCHAR(100) NOT NULL
);

-- Create Customers table
CREATE TABLE Customers (
  cname VARCHAR(100) PRIMARY KEY,
  city VARCHAR(100) NOT NULL
);

-- Create Deposit table
CREATE TABLE Deposit (
  actno INT PRIMARY KEY,
```

```
    cname VARCHAR(100),
    bname VARCHAR(100),
    amount DECIMAL(10, 2),
    adate DATE,
    FOREIGN KEY (cname) REFERENCES Customers(cname),
    FOREIGN KEY (bname) REFERENCES Branch(bname)
);

-- Create Borrow table
CREATE TABLE Borrow (
    loanno INT PRIMARY KEY,
    cname VARCHAR(100),
    bname VARCHAR(100),
    amount DECIMAL(10, 2),
    FOREIGN KEY (cname) REFERENCES Customers(cname),
    FOREIGN KEY (bname) REFERENCES Branch(bname)
);
```

Step 2: Insert Sample Data

Here's how to insert sample data into the tables:

sql

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```
-- Insert data into Branch table
INSERT INTO Branch (bname, city) VALUES
('Branch1', 'Bombay'),
('Branch2', 'Delhi'),
('Branch3', 'Pune'),
('Branch4', 'Bombay');

-- Insert data into Customers table
INSERT INTO Customers (cname, city) VALUES
('Anil', 'Pune'),
```

('Ravi', 'Bombay'),

('Sita', 'Delhi'),

('Amit', 'Bombay');

-- Insert data into Deposit table

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

(101, 'Anil', 'Branch1', 5000.00, '2024-10-01'),

(102, 'Ravi', 'Branch4', 3000.00, '2024-10-05'),

(103, 'Sita', 'Branch2', 7000.00, '2024-10-07');

-- Insert data into Borrow table

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

(201, 'Anil', 'Branch1', 15000.00),

(202, 'Ravi', 'Branch4', 20000.00);

Step 3: Execute Queries

Here are the queries to solve your requirements:

a. **Display names of all branches located in city Bombay:**

sql

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SELECT bname

FROM Branch

WHERE city = 'Bombay';

b. **Display account no. and amount of depositors:**

sql

Copy code

SELECT actno, amount

FROM Deposit;

c. **Update the city of customers Anil from Pune to Mumbai:**

sql

Copy code

UPDATE Customers

SET city = 'Mumbai'

WHERE cname = 'Anil';

d. **Find the number of depositors in the bank:**

sql

Copy code

SELECT COUNT(*) AS NumberOfDepositors

FROM Deposit;

e. **Calculate Min, Max amount of customers:**

sql

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SELECT MIN(amount) AS MinAmount, MAX(amount) AS MaxAmount

FROM Deposit;

f. **Create an index on the deposit table:**

sql

Copy code

CREATE INDEX idx_amount ON Deposit(amount);

g. **Create a view on the Borrow table:**

sql

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CREATE VIEW BorrowView AS

SELECT loanno, cname, bname, amount

FROM Borrow;

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