7th

CREATE DATABASE BankDB;

USE BankDB;

CREATE TABLE Branch (

Bname VARCHAR(50) PRIMARY KEY,

City VARCHAR(50)

);

INSERT INTO Branch (bname, city) VALUES

(‘BranchA’, ‘CityA’),

(‘BranchB’, ‘CityB’),

(‘BranchC’, ‘CityC’);

CREATE TABLE Customer (

Cname VARCHAR(50) PRIMARY KEY,

City VARCHAR(50)

);

INSERT INTO Customer (cname, city) VALUES

(‘CustomerA’, ‘CityA’),

(‘CustomerB’, ‘CityB’),

(‘CustomerC’, ‘CityC’);

CREATE TABLE Deposit (

Accountno INT PRIMARY KEY,

Cname VARCHAR(50),

Amount DECIMAL(10, 2),

Acctdate DATE,

Bname VARCHAR(50),

FOREIGN KEY (cname) REFERENCES Customer(cname),

FOREIGN KEY (bname) REFERENCES Branch(bname)

);

INSERT INTO Deposit (accountno, cname, amount, acctdate, bname) VALUES

(1, ‘CustomerA’, 1500.00, ‘2023-05-01’, ‘BranchA’),

(2, ‘CustomerB’, 2000.00, ‘2023-05-02’, ‘BranchB’),

(3, ‘CustomerC’, 500.00, ‘2023-05-03’, ‘BranchC’),

(4, ‘CustomerA’, 2500.00, ‘2023-05-04’, ‘BranchA’),

(5, ‘CustomerB’, 1000.00, ‘2023-05-05’, ‘BranchB’),

(6, ‘CustomerC’, 3000.00, ‘2023-05-06’, ‘BranchC’);

CREATE TABLE Borrow (

Loanno INT PRIMARY KEY,

Cname VARCHAR(50),

Bname VARCHAR(50),

Amount DECIMAL(10, 2),

FOREIGN KEY (cname) REFERENCES Customer(cname),

FOREIGN KEY (bname) REFERENCES Branch(bname)

);

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

(101, ‘CustomerA’, ‘BranchA’, 5000.00),

(102, ‘CustomerB’, ‘BranchB’, 3000.00),

(103, ‘CustomerC’, ‘BranchC’, 2000.00);

1st query

SELECT \* FROM Borrow;

2nd query

SELECT cname

FROM Deposit

WHERE amount > 1000 AND cname LIKE 'A%';

3rd query

SELECT cname, amount

FROM Deposit

ORDER BY amount DESC;

4th query

SELECT SUM(amount) AS total\_loan

FROM Borrow;

5th query

SELECT d.bname AS branch\_name, SUM(d.amount) AS total\_deposit

FROM Deposit d

GROUP BY d.bname;

6th quesry

SELECT d.bname AS branch\_name, SUM(d.amount) AS total\_deposit

FROM Deposit d

GROUP BY d.bname

HAVING SUM(d.amount) > 4000;