Create table if not exists Branch(

BID INTEGER primary key,

BRNAME CHAR (30) not null,

BRCITY CHAR (10));

Create table if not exists Customer(

CNO INTEGER primary key,

CNAME CHAR (20) not null,

CADDR CHAR (35),

CITY CHAR(20));

Create table if not exists Loanapl(

LNO INTEGER primary key,

LAMTREQ Decimal(10,2),

LAMTAPR Decimal (10,2) ,

L\_DATE DATE);

Create table if not exists Ternary(

BID int,

CNO int,

LNO int,

primary key (BID, CNO, LNO),

constraint FK\_BID foreign key Ternary(BID) references BRANCH(BID)

on update cascade

on delete cascade ,

constraint FK\_CNO foreign key Ternary(CNO) references CUSTOMER(CNO)

on update cascade

on delete cascade ,

constraint FK\_LNO foreign key Ternary(LNO) references Loanapl(LNO)

on update cascade

on delete cascade);

INSERT INTO BRANCH (BID, BRNAME, BRCITY) VALUES

(1, 'Aundh', 'Pune'),

(2, 'Deccan', 'Pune'),

(3, 'M.G.Road', 'Pune'),

(4, 'ShivajiNagar', 'Pune'),

(5, 'Baner', 'Pune'),

(6, 'Camp', 'Pune'),

(7, 'VimanNagar', 'Pune'),

(8, 'Kothrud', 'Pune'),

(9, 'Hinjewadi', 'Pune'),

(10, 'Pimpri', 'Pune'),

(11, 'Hadapsar', 'Pune'),

(12, 'Kalyani Nagar', 'Pune'),

(13, 'Wakad', 'Pune'),

(14, 'Kharadi', 'Pune'),

(15, 'Katraj', 'Pune');

INSERT INTO CUSTOMER (CNO, CNAME, CADDR, CITY) VALUES

(101, 'Ramesh', '123 Main St', 'Pune'),

(102, 'Suresh', '456 Oak Ave', 'Pune'),

(103, 'Ganesh', '789 Pine Ln', 'Pune'),

(104, 'Mahesh', '101 Maple Rd', 'Pune'),

(105, 'Rajesh', '202 Birch Dr', 'Pune'),

(106, 'Himesh', '303 Cedar Blvd', 'Pune'),

(107, 'Nitesh', '404 Elm Pkwy', 'Pune'),

(108, 'Punit', '505 Fir Cres', 'Pune'),

(109, 'Sandesh', '606 Spruce Ct', 'Pune'),

(110, 'Vignesh', '707 Poplar Cir', 'Pune'),

(111, 'Jayesh', '808 Cherry Dr', 'Pune'),

(112, 'Jignesh', '909 Walnut Rd', 'Pune'),

(113, 'Rakesh', '111 Sycamore Ln', 'Pune'),

(114, 'Siddesh', '222 Redwood Ave', 'Pune'),

(115, 'Mukesh', '333 Aspen St', 'Pune');

INSERT INTO LOANAPL(LNO, LAMTREQ, LAMTAPR, L\_DATE) VALUES

(1001, 50000.00, 45000.00, '2025-08-15'),

(1002, 100000.00, 100000.00, '2025-09-01'),

(1003, 150000.00, 140000.00, '2025-09-10'),

(1004, 200000.00, 200000.00, '2025-08-20'),

(1005, 250000.00, 225000.00, '2025-09-25'),

(1006, 300000.00, 280000.00, '2025-08-05'),

(1007, 350000.00, 350000.00, '2025-09-05'),

(1008, 400000.00, 380000.00, '2025-09-15'),

(1009, 450000.00, 450000.00, '2025-08-28'),

(1010, 500000.00, 490000.00, '2025-09-30'),

(1011, 550000.00, 550000.00, '2025-10-01'),

(1012, 600000.00, 580000.00, '2025-10-05'),

(1013, 650000.00, 650000.00, '2025-09-22'),

(1014, 700000.00, 680000.00, '2025-08-11'),

INSERT INTO TERNARY (BID, CNO, LNO) VALUES

(1, 101, 1001),

(2, 102, 1002),

(3, 103, 1003),

(4, 104, 1004),

(1, 105, 1005),

(2, 106, 1006),

(3, 107, 1007),

(4, 108, 1008),

(1, 109, 1009),

(3, 110, 1010),

(5, 111, 1011),

(6, 112, 1012),

(7, 113, 1013),

(8, 114, 1014),

(9, 115, 1015);

1. Find the names of the customers for the “Aundh” branch.

Ans.select cname, brname

-> from customer c join ternary t on c.cno = t.cno

-> join branch b on t.bid = b.bid

-> where brname = 'Aundh';

2. List the names of the customers who have received loan less than their requirement.

Ans. select cname, lamtreq, lamtapr

-> from customer c join ternary t on c.cno=t.cno

-> join loanapl l on l.lno = t.lno

-> where lamtreq > lamtapr;

3. Find the maximum loan amount approved.

Ans. select max(lamtapr)

-> from loanapl;

4. Find out the total loan amount sanctioned by “Deccan “branch.

Ans. select sum(lamtapr) "loan sactation by deccan branch"

-> from loanapl l join ternary t on t.lno= l.lno

-> join branch b on t.bid = t.bid

-> where brname = 'Deccan';

5. Count the number of loan applications received by “M.G.ROAD” branch.

Ans. select count(lamtreq) "loan request"

-> from loanapl l join ternary t on l.lno=t.lno

-> join branch b on b.bid = t.bid

-> where brname = "M.G.ROAD";

6. List the names of the customer along with the branch names who have applied for

loan in the month of September.

Ans. select cname, brname, l\_date

-> from customer c join ternary t on c.cno = t.cno

-> join loanapl l on l.lno = t.lno join branch b on b.bid = t.bid

-> where month(l\_date) = 09;