MySQL DataBase

Create three tables Bank, Account_holder and Loan then link three tables through Primary Key and Foreign Key. _______ **CREATE TABLE bank** (branch_id int PRIMARY KEY, branch_name varchar(20), branch_city varchar(20)) INSERT INTO bank(branch_id,branch_name,branch_city) VALUES(1001,"Ravapar","Morbi"); INSERT INTO bank(branch_id,branch_name,branch_city) VALUES(1002,"Para Bazar","Morbi"); INSERT INTO bank(branch_id,branch_name,branch_city) VALUES(1003,"Bhaktinagar","Rajkot"); INSERT INTO bank(branch_id,branch_name,branch_city) VALUES(1004,"Mavdi Road","Rajkot"); INSERT INTO bank(branch_id,branch_name,branch_city) VALUES(1005,"C.G Road","Ahmedabad"); INSERT INTO bank(branch_id,branch_name,branch_city) VALUES(1006,"Ashram Road","Ahmedabad"); INSERT INTO bank(branch_id,branch_name,branch_city) VALUES(1007,"Sattelite","Ahmedabad"); INSERT INTO bank(branch_id,branch_name,branch_city) VALUES(1008, "Science City Road", "Ahmedabad"); INSERT INTO bank(branch_id,branch_name,branch_city) VALUES(1009,"Gotri Road","Vadodara"); INSERT INTO bank(branch_id,branch_name,branch_city) VALUES(1010,"SamaSavIi","Vadodara"); INSERT INTO bank(branch_id,branch_name,branch_city) VALUES(1011,"Air Port Circle","Vadodara"); CREATE TABLE account_holder (acc_holder_id int PRIMARY KEY, acc_no varchar(10), acc holder name varchar (20),

```
city varchar(20),
      contact varchar(15),
      acc_create_date date,
      acc_status varchar(20),
       acc_type varchar(20),
      balance int
)
INSERT INTO
account_holder(acc_holder_id,acc_no,acc_holder_name,city,contact,acc_create_date,acc_status,
acc_type,balance)
VALUES(01,"A00001","Jalpa","Morbi","+91 9898449221","2023-12-27","Active","Saving",50000)
INSERT INTO
account_holder(acc_holder_id,acc_no,acc_holder_name,city,contact,acc_create_date,acc_status,
acc_type,balance)
VALUES(02,"A00002","Kush","Gandhinagar","+91 8531432181","2020-12-22", "Terminated",
"Current",750000);
INSERT INTO
account_holder(acc_holder_id,acc_no,acc_holder_name,city,contact,acc_create_date,acc_status,
acc_type,balance)
VALUES(03,"A00003","Mansi","Bhavnagar","+91 9852661312","2020-10-19","Active","Saving",60000);
INSERT INTO
account_holder(acc_holder_id,acc_no,acc_holder_name,city,contact,acc_create_date,acc_status,
acc_type,balance)
VALUES(04,"A00004","Hiten","Ahmedabad","+91 8538431112","2023-05-
15", "Terminated", "Current", 100000);
INSERT INTO
account_holder(acc_holder_id,acc_no,acc_holder_name,city,contact,acc_create_date,acc_status,
acc_type,balance)
VALUES(05,"A00005","Salim","Rajkot","+91 9553317642","2022-05-10","Active","Saving",35000);
INSERT INTO
account_holder(acc_holder_id,acc_no,acc_holder_name,city,contact,acc_create_date,acc_status,
acc_type,balance)
VALUES(06,"A00006","Shrey","Ahmedabad","+91 9832151321","2024-01-05","Active","Saving",80000);
```

```
INSERT INTO
```

)

```
account_holder(acc_holder_id,acc_no,acc_holder_name,city,contact,acc_create_date,acc_status,
acc_typ e,balance)
VALUES(07, "A00007", "Kamal", "Gandhinagar", "+91 8547875841", "2020-01-15", "Active",
"Recuring",75000);
INSERT INTO
account_holder(acc_holder_id,acc_no,acc_holder_name,city,contact,acc_create_date,acc_status,
acc_type,balance)
VALUES(08,"A00008","Hemendra","Vadodara","+91 9045782468","2022-11-04","Terminated","Fix
Deposit",20000);
INSERT INTO
account_holder(acc_holder_id,acc_no,acc_holder_name,city,contact,acc_create_date,acc_status,
acc_type,balance)
VALUES(09,"A00009","Janvi","Rajkot","+91 98475614873","2024-01-11","Active","Saving",250000);
INSERT INTO
account_holder(acc_holder_id,acc_no,acc_holder_name,city,contact,acc_create_date,acc_status,
acc_type,balance)
VALUES(10,"A00010","Manav","Vadodara","+91 9054714865","2023-09-22","Terminated",
"Recurring",45000);
INSERT INTO
account holder(acc holder id,acc no,acc holder name,city,contact,acc create date,acc status,
acc_type,balance)
VALUES(11,"A00011","Muskan","Vadodara","+91 9875614894","2022-06-15","Active","Fix
Deposit",100000);
CREATE TABLE Ioan
  loan_no int PRIMARY KEY,
  branch_id int,
  acc_holder_id int,
  loan_amt int,
  loan_type varchar(20),
  FOREIGN KEY(branch_id) REFERENCES bank(branch_id),
  FOREIGN KEY(acc holder id) REFERENCES account holder(acc holder id)
```

INSERT INTO loan(loan_no,branch_id,acc_holder_id,loan_amt,loan_type) VALUES(1,1001,01,200000,"Education");

INSERT INTO loan(loan_no,branch_id,acc_holder_id,loan_amt,loan_type) VALUES(2,1002,02,500000,"Vehicle");

INSERT INTO loan(loan_no,branch_id,acc_holder_id,loan_amt,loan_type) VALUES(3,1001,03,300000,"Education");

INSERT INTO loan(loan_no,branch_id,acc_holder_id,loan_amt,loan_type) VALUES(4,1003,04,1000000,"Home");

INSERT INTO loan(loan_no,branch_id,acc_holder_id,loan_amt,loan_type) VALUES(5,1005,05,400000,"Personal");

INSERT INTO loan(loan_no,branch_id,acc_holder_id,loan_amt,loan_type) VALUES(6,1007,06,1500000,"Mortgage");

INSERT INTO loan(loan_no,branch_id,acc_holder_id,loan_amt,loan_type) VALUES(7,1008,08,500000,"Education");

INSERT INTO loan(loan_no,branch_id,acc_holder_id,loan_amt,loan_type) VALUES(8,1008,08,800000,"Education");

INSERT INTO loan(loan_no,branch_id,acc_holder_id,loan_amt,loan_type) VALUES(9,1010,10,800000,"Vehicle");

INSERT INTO loan(loan_no,branch_id,acc_holder_id,loan_amt,loan_type) VALUES(10,1011,11,2500000,"Home");

INSERT INTO loan(loan_no,branch_id,acc_holder_id,loan_amt,loan_type) VALUES(11,1004,07,120000,"Personal");

- ----> Consider an example where there's an account holder table where we are doing an intra bank Transfer. i.e. a person holding account A is trying to transfer \$100 to account B.
 - for this you have to make a transaction in sql which can transfer fund from account A to B
 - Make sure after the transaction the account information have to be updated for both the credit account and the debited account

```
START TRANSACTION:
```

UPDATE account_holder SET balance=balance-100 WHERE acc_no="A00001";

UPDATE account_holder SET balance=balance+100 WHERE acc_no="A00002";

COMMIT;

