**BRANCH(br-name:string, br-city:string, assets:real)**

CREATE TABLE BRANCH(

br\_name VARCHAR(15) PRIMARY KEY,

br\_city VARCHAR(20),

assets REAL

);

INSERT INTO BRANCH VALUES(‘SBM’,’Bengaluru’,200.0);

INSERT INTO BRANCH VALUES(‘SBM’,’Hyderabad’,100.0);

INSERT INTO BRANCH VALUES(‘ICICI’,’Bengaluru’,150.0);

INSERT INTO BRANCH VALUES(‘AXIS’,’Delhi’,200.0);

**ACCOUNT(accno:int, br-name:string, balance:real)**

CREATE TABLE ACCOUNT(

Accno INT PRIMARY KEY,

br\_name VARCHAR(15),

balance REAL

);

INSERT INTO ACCOUNT VALUES(101,”SBM”, 200000);

INSERT INTO ACCOUNT VALUES(102,”SBM”,1000);

INSERT INTO ACCOUNT VALUES(103,”SBM”,80000);

INSERT INTO ACCOUNT VALUES(104,”SBM”,5000);

INSERT INTO ACCOUNT VALUES(201,”SBH”,20000);

INSERT INTO ACCOUNT VALUES(204,”SBH”,1111);

INSERT INTO ACCOUNT VALUES(202,”SBH”,22222);

INSERT INTO ACCOUNT VALUES(203,”SBH”,333333);

INSERT INTO ACCOUNT VALUES(301,”ICICI”,400000);

INSERT INTO ACCOUNT VALUES(304,”ICICI”,20000);

INSERT INTO ACCOUNT VALUES(302,”ICICI”,1212112);

INSERT INTO ACCOUNT VALUES(303,”ICICI”,1222);

INSERT INTO ACCOUNT VALUES(401,”AXIS”,10000);

INSERT INTO ACCOUNT VALUES(402,”AXIS”,1121);

INSERT INTO ACCOUNT VALUES(403,”AXIS”,222112);

INSERT INTO ACCOUNT VALUES(404,”AXIS”,44444);

**DEPOSITOR(cust-name:string, accno:int)**

CREATE TABLE DEPOSITOR(

cust\_name VARCHAR(20),

Accno INT,

FOREIGN KEY(cust\_name) REFERENCES CUSTOMER(cust\_name),

FOREIGN KEY(Accno) REFERENCES ACCOUNT(Accno)

);

INSERT INTO DEPOSITOR VALUES();

INSERT INTO DEPOSITOR VALUES();

INSERT INTO DEPOSITOR VALUES();

**Cust(cust-name:string, cust-street:string, cust-city:string)**

CREATE TABLE CUSTOMER(

cust\_name VARCHAR(20) PRIMARY KEY,

cust\_street VARCHAR(20),

cust\_city VARCHAR(20)

);

INSERT INTO CUSTOMER VALUES();

INSERT INTO CUSTOMER VALUES();

INSERT INTO CUSTOMER VALUES();

INSERT INTO CUSTOMER VALUES();

INSERT INTO CUSTOMER VALUES();

**LOAN(loan-number:int, br-name:string, amount:real)**

CREATE TABLE LOAN(

loan\_number INT PRIMARY KEY,

br\_name VARCHAR(15),

amount INT

);

**BORROWER(cust-name:string, loan-number:int)**

CREATE TABLE BORROWER(

cust\_name VARCHAR(20),

loan\_number INT,

FOREIGN KEY(cust\_name) REFERENCES CUSTOMER(cust\_name),

FOREIGN KEY(loan\_no) REFERENCES LOAN(loan\_no)

);

1..

CREATE TABLE BRANCH(

br\_name VARCHAR(15) PRIMARY KEY,

br\_city VARCHAR(20),

assets REAL

);

CREATE TABLE ACCOUNT(

Accno INT PRIMARY KEY,

br\_name VARCHAR(15),

balance REAL

);

CREATE TABLE CUSTOMER(

cust\_name VARCHAR(20) PRIMARY KEY,

cust\_street VARCHAR(20),

cust\_city VARCHAR(20)

);

CREATE TABLE LOAN(

loan\_number INT PRIMARY KEY,

br\_name VARCHAR(15),

amount INT

);

INSERT INTO LOAN VALUES();

CREATE TABLE BORROWER(

cust\_name VARCHAR(20),

loan\_number INT,

FOREIGN KEY(cust\_name) REFERENCES CUSTOMER(cust\_name),

FOREIGN KEY(loan\_number) REFERENCES LOAN(loan\_number)

);

CREATE TABLE DEPOSITOR(

cust\_name VARCHAR(20),

Accno INT,

FOREIGN KEY(cust\_name) REFERENCES CUSTOMER(cust\_name),

FOREIGN KEY(Accno) REFERENCES ACCOUNT(Accno)

);

2.

INSERT INTO BRANCH VALUES(‘SBM’,’Bengaluru’,200.0);

INSERT INTO BRANCH VALUES(‘SBM’,’Hyderabad’,100.0);

INSERT INTO BRANCH VALUES(‘ICICI’,’Bengaluru’,150.0);

INSERT INTO BRANCH VALUES(‘AXIS’,’Delhi’,200.0);

INSERT INTO ACCOUNT VALUES(101,"SBM", 200000);

INSERT INTO ACCOUNT VALUES(102,"SBM",1000);

INSERT INTO ACCOUNT VALUES(103,"SBM",80000);

INSERT INTO ACCOUNT VALUES(104,"SBM",5000);

INSERT INTO ACCOUNT VALUES(201,"SBH",20000);

INSERT INTO ACCOUNT VALUES(204,"SBH",1111);

INSERT INTO ACCOUNT VALUES(202,"SBH",22222);

INSERT INTO ACCOUNT VALUES(203,"SBH",333333);

INSERT INTO ACCOUNT VALUES(301,"ICICI",400000);

INSERT INTO ACCOUNT VALUES(304,"ICICI",20000);

INSERT INTO ACCOUNT VALUES(302,"ICICI",1212112);

INSERT INTO ACCOUNT VALUES(303,"ICICI",1222);

INSERT INTO ACCOUNT VALUES(401,"AXIS",10000);

INSERT INTO ACCOUNT VALUES(402,"AXIS",1121);

INSERT INTO ACCOUNT VALUES(403,"AXIS",222112);

INSERT INTO ACCOUNT VALUES(404,”AXIS",44444);

INSERT INTO CUSTOMER VALUES("A","1","Bengaluru");

INSERT INTO CUSTOMER VALUES("B","2","Bengaluru");

INSERT INTO CUSTOMER VALUES("C","3","Hyderabad");

INSERT INTO CUSTOMER VALUES("D","4","Delhi");

INSERT INTO CUSTOMER VALUES("E","5","Hyderabad");

INSERT INTO CUSTOMER VALUES("F","5","Hyderabad");

INSERT INTO CUSTOMER VALUES("G","5","Hyderabad");

INSERT INTO CUSTOMER VALUES("H","4","Delhi");

INSERT INTO CUSTOMER VALUES("I","4","Delhi");

INSERT INTO CUSTOMER VALUES("J","2","Bengaluru");

INSERT INTO CUSTOMER VALUES(“K","2","Bengaluru");

INSERT INTO DEPOSITOR VALUES("A",101);

INSERT INTO DEPOSITOR VALUES("E",102);

INSERT INTO DEPOSITOR VALUES("B",103);

INSERT INTO DEPOSITOR VALUES("D",104);

INSERT INTO DEPOSITOR VALUES("C",201);

INSERT INTO DEPOSITOR VALUES("E",202);

INSERT INTO DEPOSITOR VALUES("F",203);

INSERT INTO DEPOSITOR VALUES("G",204);

INSERT INTO DEPOSITOR VALUES("A",301);

INSERT INTO DEPOSITOR VALUES("B",302);

INSERT INTO DEPOSITOR VALUES("J",303);

INSERT INTO DEPOSITOR VALUES("K",304);

INSERT INTO DEPOSITOR VALUES("D",401);

INSERT INTO DEPOSITOR VALUES("H",402);

INSERT INTO DEPOSITOR VALUES("I",403);

INSERT INTO DEPOSITOR VALUES(“A",404);

INSERT INTO LOAN VALUES(1,"SBM",100000);

INSERT INTO LOAN VALUES(2,"SBM",100000);

INSERT INTO LOAN VALUES(3,"SBH",11000);

INSERT INTO LOAN VALUES(4,"SBH",11000);

INSERT INTO LOAN VALUES(5,"SBH",11000);

INSERT INTO LOAN VALUES(6,"ICICI",10000);

INSERT INTO LOAN VALUES(7,"ICICI",10000);

INSERT INTO LOAN VALUES(8,"ICICI",10000);

INSERT INTO LOAN VALUES(9,"AXIS",1000);

INSERT INTO LOAN VALUES(10,”AXIS",10000);

INSERT INTO BORROWER VALUES("A",1);

INSERT INTO BORROWER VALUES("B",2);

INSERT INTO BORROWER VALUES("C",3);

INSERT INTO BORROWER VALUES("E",4);

INSERT INTO BORROWER VALUES("F",5);

INSERT INTO BORROWER VALUES("A",6);

INSERT INTO BORROWER VALUES("B",7);

INSERT INTO BORROWER VALUES("G",8);

INSERT INTO BORROWER VALUES("D",9);

INSERT INTO BORROWER VALUES(“H",10);

Solution:

CREATE TABLE BRANCH(

br\_name VARCHAR(15) PRIMARY KEY,

br\_city VARCHAR(20),

assets REAL

);

CREATE TABLE ACCOUNT(

Accno INT PRIMARY KEY,

br\_name VARCHAR(15),

balance REAL

);

CREATE TABLE CUSTOMER(

cust\_name VARCHAR(20) PRIMARY KEY,

cust\_street VARCHAR(20),

cust\_city VARCHAR(20)

);

CREATE TABLE LOAN(

loan\_number INT PRIMARY KEY,

br\_name VARCHAR(15),

amount INT

);

CREATE TABLE BORROWER(

cust\_name VARCHAR(20),

loan\_number INT,

FOREIGN KEY(cust\_name) REFERENCES CUSTOMER(cust\_name),

FOREIGN KEY(loan\_number) REFERENCES LOAN(loan\_number)

);

CREATE TABLE DEPOSITOR(

cust\_name VARCHAR(20),

Accno INT,

FOREIGN KEY(cust\_name) REFERENCES CUSTOMER(cust\_name),

FOREIGN KEY(Accno) REFERENCES ACCOUNT(Accno)

);

INSERT INTO BRANCH VALUES("SBM","Bengaluru",200.0);

INSERT INTO BRANCH VALUES("SBH","Hyderabad",100.0);

INSERT INTO BRANCH VALUES("ICICI","Bengaluru",150.0);

INSERT INTO BRANCH VALUES("AXIS","Delhi",200.0);

INSERT INTO ACCOUNT VALUES(101,"SBM", 200000);

INSERT INTO ACCOUNT VALUES(102,"SBM",1000);

INSERT INTO ACCOUNT VALUES(103,"SBM",80000);

INSERT INTO ACCOUNT VALUES(104,"SBM",5000);

INSERT INTO ACCOUNT VALUES(201,"SBH",20000);

INSERT INTO ACCOUNT VALUES(204,"SBH",1111);

INSERT INTO ACCOUNT VALUES(202,"SBH",22222);

INSERT INTO ACCOUNT VALUES(203,"SBH",333333);

INSERT INTO ACCOUNT VALUES(301,"ICICI",400000);

INSERT INTO ACCOUNT VALUES(304,"ICICI",20000);

INSERT INTO ACCOUNT VALUES(302,"ICICI",1212112);

INSERT INTO ACCOUNT VALUES(303,"ICICI",1222);

INSERT INTO ACCOUNT VALUES(401,"AXIS",10000);

INSERT INTO ACCOUNT VALUES(402,"AXIS",1121);

INSERT INTO ACCOUNT VALUES(403,"AXIS",222112);

INSERT INTO ACCOUNT VALUES(404,"AXIS",44444);

INSERT INTO CUSTOMER VALUES("A","1","Bengaluru");

INSERT INTO CUSTOMER VALUES("B","2","Bengaluru");

INSERT INTO CUSTOMER VALUES("C","3","Hyderabad");

INSERT INTO CUSTOMER VALUES("D","4","Delhi");

INSERT INTO CUSTOMER VALUES("E","5","Hyderabad");

INSERT INTO CUSTOMER VALUES("F","5","Hyderabad");

INSERT INTO CUSTOMER VALUES("G","5","Hyderabad");

INSERT INTO CUSTOMER VALUES("H","4","Delhi");

INSERT INTO CUSTOMER VALUES("I","4","Delhi");

INSERT INTO CUSTOMER VALUES("J","2","Bengaluru");

INSERT INTO CUSTOMER VALUES("K","2","Bengaluru");

INSERT INTO DEPOSITOR VALUES("A",101);

INSERT INTO DEPOSITOR VALUES("E",102);

INSERT INTO DEPOSITOR VALUES("B",103);

INSERT INTO DEPOSITOR VALUES("D",104);

INSERT INTO DEPOSITOR VALUES("C",201);

INSERT INTO DEPOSITOR VALUES("E",202);

INSERT INTO DEPOSITOR VALUES("F",203);

INSERT INTO DEPOSITOR VALUES("G",204);

INSERT INTO DEPOSITOR VALUES("A",301);

INSERT INTO DEPOSITOR VALUES("B",302);

INSERT INTO DEPOSITOR VALUES("J",303);

INSERT INTO DEPOSITOR VALUES("K",304);

INSERT INTO DEPOSITOR VALUES("D",401);

INSERT INTO DEPOSITOR VALUES("H",402);

INSERT INTO DEPOSITOR VALUES("I",403);

INSERT INTO DEPOSITOR VALUES("A",404);

INSERT INTO LOAN VALUES(1,"SBM",100000);

INSERT INTO LOAN VALUES(2,"SBM",100000);

INSERT INTO LOAN VALUES(3,"SBH",11000);

INSERT INTO LOAN VALUES(4,"SBH",11000);

INSERT INTO LOAN VALUES(5,"SBH",11000);

INSERT INTO LOAN VALUES(6,"ICICI",10000);

INSERT INTO LOAN VALUES(7,"ICICI",10000);

INSERT INTO LOAN VALUES(8,"ICICI",10000);

INSERT INTO LOAN VALUES(9,"AXIS",1000);

INSERT INTO LOAN VALUES(10,"AXIS",10000);

INSERT INTO BORROWER VALUES("A",1);

INSERT INTO BORROWER VALUES("B",2);

INSERT INTO BORROWER VALUES("C",3);

INSERT INTO BORROWER VALUES("E",4);

INSERT INTO BORROWER VALUES("F",5);

INSERT INTO BORROWER VALUES("A",6);

INSERT INTO BORROWER VALUES("B",7);

INSERT INTO BORROWER VALUES("G",8);

INSERT INTO BORROWER VALUES("D",9);

INSERT INTO BORROWER VALUES("H",10);