#### **BANK DATABASE**

```
create database bank;
use bank;
create table branch(
branch_name varchar(30) primary key,
branch_city varchar(30),
assests decimal(6,2)
);
drop table accounts;
create table accounts(
accno int primary key,
branch_name varchar(30),
balance decimal(7,2),
foreign key(branch_name) references branch(branch_name)
);
create table depositor(
customer_name varchar(30),
customer_street varchar(30),
customer_city varchar(30)
);
alter table depositor
add column accno int;
alter table depositor
add constraint fori
foreign key(accno) references accounts(accno);
```

```
alter table depositor
drop foreign key fori;
create table loan(
loan_number int primary key,
branch_name varchar(30),
amt decimal(7,2)
);
alter table loan
add constraint fk_1
foreign key(branch_name) references branch(branch_name);
create table borrower(
customer_name varchar(30),
loan_number int,
foreign key(loan_number) references loan(loan_number)
);
```

#### desc branch;

Your SQL query has been executed successfully.

desc branch						
+ Options						
Field	Туре	Null	Key	Default	Extra	
branch_name	varchar(30)	NO	PRI	NULL		
branch_city	varchar(30)	YES		NULL		
assests	decimal(6,2)	YES		NULL		

#### desc accounts;

Your SQL query has been executed successfully.

desc accounts

#### + Options

Field	Туре	Null	Key	Default	Extra
accno	int(11)	NO	PRI	NULL	
branch_name	varchar(30)	YES	MUL	NULL	
balance	decimal(7,2)	YES		NULL	

### desc depositor;

Your SQL query has been executed successfully.

desc depositor

#### + Options

Field	Туре	Null	Key	Default	Extra
customer_name	varchar(30)	YES		NULL	
customer_street	varchar(30)	YES		NULL	
customer_city	varchar(30)	YES		NULL	
accno	int(11)	YES	MUL	NULL	

#### desc loan;

Your SQL query has been executed successfully.

desc loan

#### + Options

Field	Туре	Null	Key	Default	Extra
loan_number	int(11)	NO	PRI	NULL	
branch_name	varchar(30)	YES	MUL	NULL	
amt	decimal(7,2)	YES		NULL	

#### desc borrower;

Your SQL query has been executed successfully.

desc borrower

#### + Options

Field	Туре	Null	Key	Default	Extra
customer_name	varchar(30)	YES		NULL	
loan_number	int(11)	YES	MUL	NULL	

### truncate table depositor;

insert into branch(branch\_name,branch\_city,assests) values('SBH KOPPAL','KOPPAL',1234.56),('SBI HOSPET','HOSPET',4567.89),('SBI BANGLORE','BANGLORE RURAL',9687.25),('SBI GAGAG','GADAG',1000.25),('SBI TUMKUR','TUMKUR',2000.24);

insert into accounts(accno,branch\_name,balance) values(1234,'SBH KOPPAL',40000.00),(4567,'SBI HOSPET',50000.00),(2345,'SBI BANGLORE',60000.00),(1000,'SBI TUMKUR',70000.00),(1024,'SBI GAGAG',10000.00);

insert into depositor(customer\_name,customer\_street,customer\_city,accno) values('Hari','GADAG ROAD','KOPPAL',1234),('Saquib','TIPP SANDRA','BANGLORE',4567),('Praveen','Devi Camp','TUMKUR',2345),('Subhas','Chamrajpet','Bijapur',1000),('Balagi','Basavangudi','KGF',1024);

insert into loan(loan\_number,branch\_name,amt) values(1,'SBH KOPPAL',10000.00),(2,'SBH KOPPAL',15000.00),(3,'SBI HOSPET',20000.00),(4,'SBI HOSPET',25000.00),(5,'SBI TUMKUR',24000.00);

insert into borrower(customer\_name,loan\_number) values('Mayank',1),('Pooran',2),('Gayle',3),('Shah Rukh Khan',4),('Arshdeeep Singh',5);

insert into branch(branch\_name,branch\_city,assests) values('SBI KOPPAL','KOPPAL',1234.56);

insert into accounts(accno,branch\_name,balance) values(1233,'SBH KOPPAL',40000.00);

insert into accounts(accno,branch\_name,balance) values(1232,'SBI KOPPAL',40000.00);

insert into depositor(customer\_name,customer\_street,customer\_city,accno) values('Prahlad','Basava Nagar','Kuknoor',1233);

insert into depositor(customer\_name,customer\_street,customer\_city,accno) values('Prahlad K','Basava Nagar','KOPPAL',1232);

insert into accounts(accno,branch\_name,balance) values(1220,'SBH KOPPAL',40000.00);

insert into depositor(customer\_name,customer\_street,customer\_city,accno) values('Hari','GADAG ROAD','KOPPAL',1220);

insert into accounts(accno,branch name,balance) values(1221, SBH KOPPAL',40000.00);

insert into depositor(customer\_name,customer\_street,customer\_city,accno) values('Hari','GADAG ROAD','KOPPAL',1221);

insert into accounts(accno,branch\_name,balance) values(1120,'SBH KOPPAL',40000.00);

insert into depositor(customer\_name,customer\_street,customer\_city,accno) values('Avani','GADAG ROAD','KOPPAL',1220);

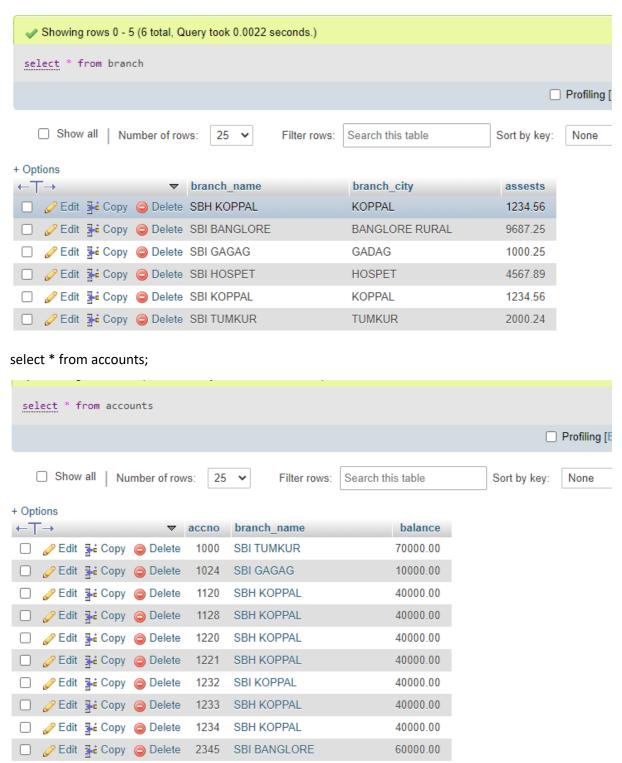
insert into accounts(accno,branch\_name,balance) values(1128,'SBH KOPPAL',40000.00);

insert into depositor(customer\_name,customer\_street,customer\_city,accno) values('Avani','GADAG ROAD','KOPPAL',1220);

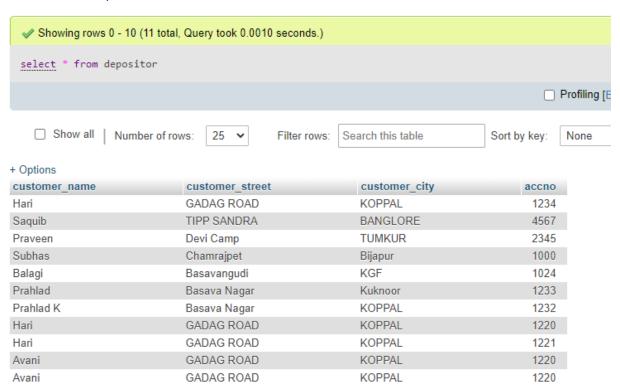
#### select \* from branch;

4567 SBI HOSPET

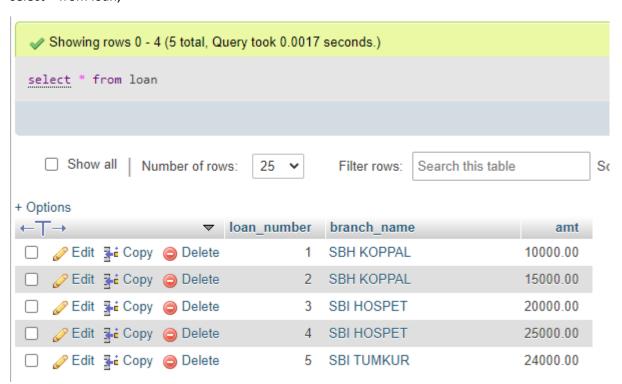
50000.00



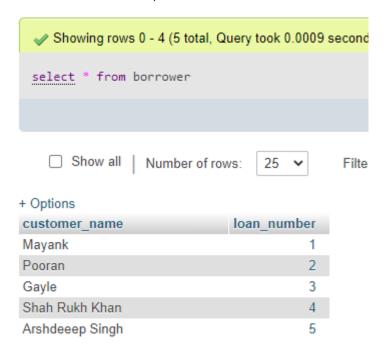
#### select \* from depositor;



#### select \* from loan;



#### select \* from borrower;



## QUERY 3: Find Find all the customers who have at least two deposits at the same branch (Ex. `SBI\_ResidencyRoad').

customer_name	customer_street	customer_city	accno
Hari	GADAG ROAD	KOPPAL	1234
Hari	GADAG ROAD	KOPPAL	1220
Hari	GADAG ROAD	KOPPAL	1221
Avani	GADAG ROAD	KOPPAL	1220
Avani	GADAG ROAD	KOPPAL	1220

# QUERY 4: Find all the customers who have an account at *all* the branches located in a specific city (Ex. Delhi).

## **QUERY 5:** Demonstrate how you delete all account tuples at every branch located in a specific city (Ex. Bomay).

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