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LAB-2: BANKING ENTERPRISE DATABASE

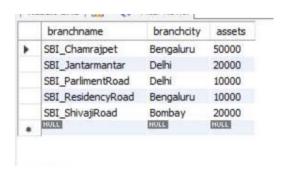
BANKING ENTERPRISE DATABASE

```
create database bank;
use bank;
create table branch (
       branch_name varchar(25),
  branch_city varchar(15),
  assets int,
  primary key (branch_name)
);
create table bank_account (
       accno int,
  branch_name varchar(25),
  balance int,
  primary key (accno),
  foreign key (branch_name) references branch(branch_name)
);
create table bank_customer (
       customer_name varchar(10),
  customer_street varchar(25),
  customer_city varchar(15),
  primary key (customer_name)
);
create table depositer (
       customer_name varchar(10),
       accno int,
  primary key(customer_name, accno),
  foreign key (customer_name) references bank_customer(customer_name),
  foreign key (accno) references bank_account(accno)
);
create table loan (
       loan_number int,
  branch_name varchar(25),
  amount int,
  primary key (loan_number),
```

```
foreign key (branch_name) references branch(branch_name);
```

insert into branch values('SBI_Chamrajpet', 'Bangalore', 50000); insert into branch values('SBI_ResidencyRoad', 'Bangalore', 10000); insert into branch values('SBI_ShivajiRoad', 'Bombay', 20000); insert into branch values('SBI_ParliamentRoad', 'Delhi', 10000); insert into branch values('SBI_Jantarmantar', 'Delhi', 20000); commit;

select * from branch;



insert into bank_account values(1, 'SBI_Chamrajpet', 2000); insert into bank_account values(2, 'SBI_ResidencyRoad', 5000); insert into bank_account values(3, 'SBI_ShivajiRoad', 6000); insert into bank_account values(4, 'SBI_ParliamentRoad', 9000); insert into bank_account values(5, 'SBI_Jantarmantar', 8000); insert into bank_account values(6, 'SBI_ShivajiRoad', 4000); insert into bank_account values(8, 'SBI_ResidencyRoad', 4000); insert into bank_account values(9, 'SBI_ParliamentRoad', 3000); insert into bank_account values(10, 'SBI_ResidencyRoad', 5000); insert into bank_account values(11, 'SBI_Jantarmantar', 2000); commit; select * from bank_account;

	Accno	branchname	balance
•	1	SBI_Chamrajpet	2000
	2	SBI_ResidencyRoad	5000
	4	SBI_ParlimentRoad	9000
	5	SBI_Jantarmantar	8000
	8	SBI_ResidencyRoad	4000
	9	SBI_ParlimentRoad	3000
	10	SBI_ResidencyRoad	5000
	11	SBI_Jantarmantar	2000

insert into bank_customer values ('Avinash', 'Bull_Temple_Road', 'Bangalore'); insert into bank_customer values ('Dinesh', 'Bannergatta_Road', 'Bangalore'); insert into bank_customer values ('Mohan', 'National_College_Road', 'Bangalore'); insert into bank_customer values ('Nikhil', 'Akbar_Road', 'Delhi'); insert into bank_customer values ('Ravi', 'Prithviraj_Road', 'Delhi'); commit:

select * from bank_customer;

customer_name	customer_street	customer_city
Avinash	Bull_Temple_Road	Bangalore
Dinesh	Bannergatta_Road	Bangalore
Mohan	National_College_Road	Bangalore
Nikhil	Akbar_Road	Delhi
Ravi	Prithviraj_Road	Delhi
NULL	NULL	NULL

insert into depositer values('Avinash', 1); insert into depositer values('Dinesh', 2); insert into depositer values('Nikil', 4); insert into depositer values('Ravi', 5); insert into depositer values('Avinash', 8); insert into depositer values('Nikil', 9); insert into depositer values('Dinesh', 10); insert into depositer values('Nikil', 11); commit; select * from depositer;

	CustomerName	Accno
١	Avinash	1
	Dinesh	2
	Nikil	4
	Ravi	5
	Avinash	8
	Nikil	9
	Dinesh	10
	Nikil	11

insert into loan values(1, 'SBI_Chamrajpet', 1000); insert into loan values(2, 'SBI_ResidencyRoad', 2000); insert into loan values(3, 'SBI_ShivajiRoad', 3000); insert into loan values(4, 'SBI_ParliamentRoad', 4000); insert into loan values(5, 'SBI_Jantarmantar', 5000); commit; select * from loan;

	loannumber	branchname	Amount
•	1	SBI_Chamrajpet	10000
	2	SBI_ResidencyRoad	20000
	3	SBI_ShivajiRoad	30000
	4	SBI_ParlimentRoad	40000
	5	SBI_Jantarmantar	30000
	NULL	NULL	HULL

select distinct c.customer_name from bank_customer c,bank_account b where exists(select d.customer_name,count(d.customer_name) from depositer d,bank_account ba where ba.accno = d.accno and

c.customer_name = d.customer_name and ba.branch_name = 'SBI_ResidencyRoad' group by d.customer_name having count(d.customer_name)>=2);



select distinct d.customer_name from depositer d where exists(select * from bank_account ba where ba.accno=d.accno and exists (select * from branch b where b.branch_name = ba.branch_name and b.branch_city='Delhi'));



delete from bank_account where branch_name in (select branch_name from branch where branch_city = 'Bombay');

