LAB PROGRAM 2

create database banking;  
use banking;  
create table branch(  
 branch\_name varchar(30) primary key,  
 branch\_city varchar(30),  
 assets real  
);  
create table accounts(  
 accno int primary key,  
 branch\_name varchar(30),  
 balance real,  
 constraint acc\_bn foreign key (branch\_name) references branch(branch\_name) on delete cascade on update cascade  
);  
  
create table customer(  
 customer\_name varchar(30) primary key,  
 customer\_street varchar(20),  
 customer\_city varchar(20)  
);  
create table depositor(  
 customer\_name varchar(30),  
 accno int,  
 constraint cac\_bn foreign key (accno) references accounts(accno) on delete cascade on update cascade,  
 constraint ccn\_bn foreign key (customer\_name) references customer(customer\_name) on delete cascade on update cascade  
);  
  
create table loan(  
 loan\_number int primary key,  
 branch\_name varchar(30),  
 amount real,  
 constraint l\_bn foreign key (branch\_name) references branch(branch\_name)  
);  
  
insert into branch values('branchA','banglore',23456);  
insert into branch values('branchB','mumbai',34567);  
insert into branch values('branchC','delhi',45678);  
insert into branch values('branchD','chennai',56789);  
insert into branch values('branchE','hyderabad',67890);  
  
insert into accounts values(1,'branchA',50000);   
insert into accounts values(2,'branchB',10000);   
insert into accounts values(3,'branchA',52000);  
insert into accounts values(4,'branchB',456000);  
insert into accounts values(5,'branchD',5000);  
select \* from customer where customer\_name in(select customer\_name from depositor group by customer\_name having count(accno)>=2);  
insert into customer values('customer1','banglore','banglore');  
insert into customer values('customer2','hyderabad','hyderabad');  
insert into customer values('customer3','delhi','delhi');  
insert into customer values('customer4','banglore','banglore');  
insert into customer values('customer5','chennai','chennai');  
  
insert into depositor values ('customer1',1);  
insert into depositor values ('customer2',2);  
insert into depositor values ('customer3',3);  
insert into depositor values ('customer2',4);  
insert into depositor values ('customer4',5);  
  
insert into loan values(1,'branchA',10000);  
insert into loan values(2,'branchD',20000);  
insert into loan values(3,'branchC',30000);  
insert into loan values(4,'branchA',30000);  
insert into loan values(5,'branchC',30000);  
  
select \* from depositor;  
  
select distinct d.customer\_name,customer\_city from depositor d,customer c where d.customer\_name=c.customer\_name and customer\_city='banglore';  
  
select \* from customer where customer\_name in(select customer\_name from depositor group by customer\_name having count(accno)>=2);  
  
select customer\_name from depositor where accno in (select a.accno from accounts a,branch b where b.branch\_name=b.branch\_city );  
  
select \* from accounts;  
  
delete from accounts where branch\_name='branchA';   
  
select \* from accounts;