**Week-3 bank database**

create database bank1;

use bank1;

create table branch

(branch\_name varchar(20),

branch\_city varchar(20),

assets float(20),

primary key(branch\_name)

);

create table bankaccount

(accno int(20),

branch\_name varchar(20),

balance float(20),

primary key(accno),

foreign key(branch\_name) references branch(branch\_name));

select \* from branch,bankaccount;

create table bankcustomer

(

customer\_name varchar(20),

customer\_street varchar(20),

customer\_city varchar(20),

primary key(customer\_name)

);

create table depositer

(customer\_name varchar(20),

accno int(20),

primary key(customer\_name,accno),

foreign key(customer\_name) references bankcustomer(customer\_name) on delete cascade,

foreign key(accno) references bankaccount(accno) on delete cascade);

create table loan

(loan\_num int,

branch\_name varchar(20),

amount float(20),

primary key(loan\_num),

foreign key(branch\_name) references branch(branch\_name) on delete cascade);

insert into branch values('SBI\_Chamrajpet','Bangalore','50000'),('SBI Residency blre','Bangalore','10000'),('SBI Shivaji Road','Bombay','20000'),('SBI \_ParlimentDelhi','Dehli','10000'),('SBI\_jtmmtr\_Delhi','Delhi','20000');

insert into bankaccount values('1','SBI\_Chamrajpet','2000'),('2','SBI Residency blre','5000'),('3','SBI Shivaji Road','6000'),('4','SBI \_ParlimentDelhi','9000'),('5','SBI\_jtmmtr\_Delhi',8000);

insert into bankaccount values('6','SBI Shivaji Road','4000');

insert into bankcustomer values('Avinash','Bull\_Temple\_Road','Bangalore'),('Dinesh','Bannergatta\_Road','Bangalore'),('Mohan','NationalCollege\_Road','Bangalore'),('Nikil','Akbar\_Road','Delhi'),('Ravi','Prithviraj Road','Delhi');

set foreign\_key\_checks=0;

set global foreign\_key\_checks=0;

insert into depositer values('Avinash',1),('Dinesh',2),('Nikil',4),('Ravi',5),

('Avinash',8),('Nikil',9),('Dinesh',10),('Nikil',11);

insert into loan values(1,'SBI\_Chamarajpet',1000),(2,'SBI\_ResidencyRoad',2000),(3,'SBI\_ShivajiRoad',3000),

(4,'SBI\_ParlimentRoad',4000),(5,'SBI\_Jantarmantar',5000);

select \* from branch;

select \* from bankaccount;

select \* from bankcustomer;

select \* from depositer;

select \* from loan;

select branch\_name,assets/100000 as assets\_in\_lakh

from branch;

select distinct customer\_name

from depositer d, bankaccount b

where b.accno=d.accno and branch\_name='SBI\_ResidencyRoad'

having count(customer\_name)>=2;

insert into bankaccount values(12,'SBI\_ResidencyRoad','6000');

select customer\_name

from depositer

where accno=10;

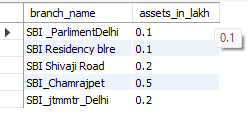
create view loansum as

select branch\_name,sum(amount)

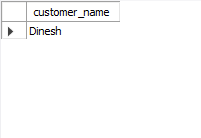
from loan

group by branch\_name;

1. Display the branch name and assets from all branches in lakhs of rupees and rename  
   the assets column to 'assets in lakhs'.

  
select branch\_name,assets/100000 as assets\_in\_lakh

from branch;

1. Find all the customers who have at least two accounts at the same branch (ex.  
   SBI\_ResidencyRoad).branch\_name,assets/100000 as assets\_in\_lakh from branch;

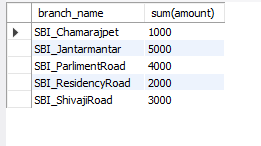
select distinct customer\_name

from depositer d, bankaccount b

where b.accno=d.accno and branch\_name='SBI\_ResidencyRoad'

having count(customer\_name)>=2;

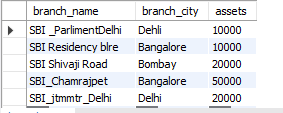
1. CREATE A VIEW WHICH GIVES EACH BRANCH THE SUM OF THE  
   AMOUNT OF ALL THE LOANS AT THE BRANCH

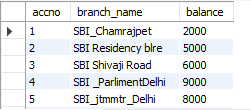
create view loansum as

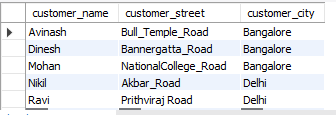
select branch\_name,sum(amount)

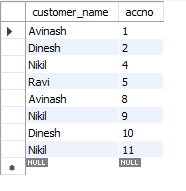
from loan

group by branch\_name;select \* from branch;



select \* from bankaccount;

select \* from bankcustomer;



select \* from depositer;

select \* from loan;

