**Problem Statement 12:**

1. Create the following tables. **Solve queries by SQL**
   * Deposit (actno,cname,bname,amount,adate)
   * Branch (bname,city)
   * Customers (cname, city)
   * Borrow(loanno,cname,bname, amount) Add primary key and foreign key wherever applicable. Insert data into the above created tables.

Solve following queries by SQL

create table deposit (actno varchar(5) ,cname varchar(18) , bname varchar(18) , amount int ,adate date);

create table branch(bname varchar(18),city varchar(18));

create table customers(cname varchar(19) ,city varchar(18));

create table borrow(loanno varchar(5), cname varchar(18), bname varchar(18), amount int);

**deposit:**

insert into deposit values('100',’anil’,'vrce',1000,'1995-03-01');

insert into deposit values('101','sunil','ajni',5000,'1996-01-04');

insert into deposit values('102','mehul','karolbagh',3500,'1995-11-17');

insert into deposit values('104','madhuri','chandi',1200,'1995-12-17');

insert into deposit values('105','prmod','m.g.road',3000,'1996-03-27');

insert into deposit values('106','sandip','andheri',2000,'1996-03-31');

insert into deposit values('107','shivani','virar',1000,'1995-07-05');

insert into deposit values('108','kranti','nehruplace',5000,'1996-06-02');

insert into deposit values('109','minu','powai',7000,'1997-12-02');

**branch:**

insert into branch values('vrce','nagpur');

insert into branch values('ajni','nagpur');

insert into branch values('karolbagh','delhi');

insert into branch values('chandi','delhi');

insert into branch values('dharampeth','nagpur');

insert into branch values('m.g.road','banglore');

insert into branch values('andheri','bombay');

insert into branch values('vihar','bombay');

insert into branch values('nehru place','delhi');

insert into branch values('powai','bombay');

**customer:**

insert into customers values ('anil','calcutta');

insert into customers values ('sunil','delhi');

insert into customers values ('mehul','baroda');

insert into customers values ('mandar','patna');

insert into customers values ('madhuri','nagpur');

insert into customers values ('pramod','nagpur');

insert into customers values ('sandip','surat');

insert into customers values ('shivani','bombay');

insert into customers values ('kranti','bombay');

insert into customers values ('naren','bombay');

**borrow:**

insert into borrow values ('201','anil','vrce',1000);

insert into borrow values ('206','mehul','vrce',5000);

insert into borrow values ('311','sunil','dharampeth',3000);

insert into borrow values ('321','madhuri','andheri',2000);

insert into borrow values ('375','prmod','vihar',8000);

insert into borrow values ('481','kranti','nehru place',3000);

**1. Display customer name having living city Bombay and branch city Nagpur**

select c.city from Customer c, Branch b where c.city='Bombay' and b.city ='Nagpur';

**2. Display customer name having same living city as their branch city**

select c.city from Customer c, Branch b where c.city=b.city ;

**3. Display customer name who are borrowers as well as depositors and having living city Nagpur.**

**4. Display borrower names having deposit amount greater than 1000 and loan amount greater than 2000**

select br1.cname, br1.amount, d1.cname, d1.amount from Borrow br1,Deposite d1 where d1.cname = br1.cname and d1.amount > 1000 and br1.amount > 2000;

**5. Display customer name living in the city where branch of depositor sunil is located.**

select c.cname from Customer c where c.city in (select b.city from Branch b where b.bname in (select d.bname from Deposite d where d.cname='Sunil'));

**6. Create an index on deposit table**

create index deposit\_index on deposit(actno);

select \* from deposite\_index;