**Assignment No :03**

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**Activity to be Submitted by Students**

**Design SQL queries for suitable database application using SQL DML statements: all types of Join, Sub-Query and View.**

1. Create following Tables

cust\_mstr(cust\_no,fname,lname)

add\_dets(code\_no,add1,add2,state,city,pincode)

Retrieve the address of customer Fname as 'xyz' and Lname as 'pqr'.

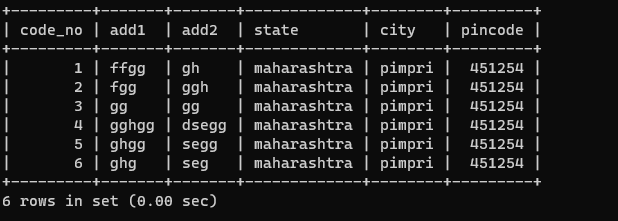
mysql> use Bank;

mysql> create table cust\_mstr(cust\_no int,fname varchar(100),lname varchar(100));

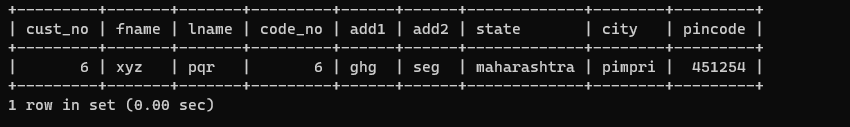
mysql> select \* from cust\_mstr;



mysql> select \* from add\_dets;



mysql> select \* from cust\_mstr inner join add\_dets oncust\_mstr.cust\_no=add\_dets.code\_no where fname='xyz' and lname='pqr';



2.Create following Tables

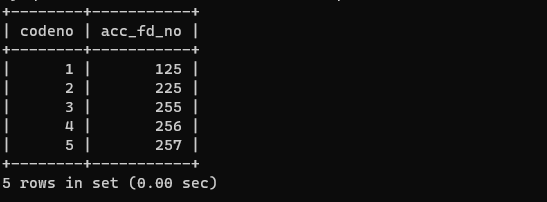
cust\_mstr(custno,fname,lname)

acc\_fd\_cust\_dets(codeno,acc\_fd\_no)

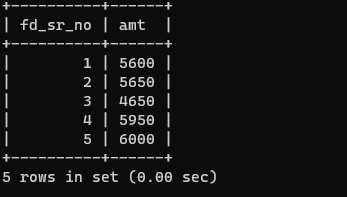
fd\_dets(fd\_sr\_no,amt)

List the customer holding fixed deposit of amount more than 5000.

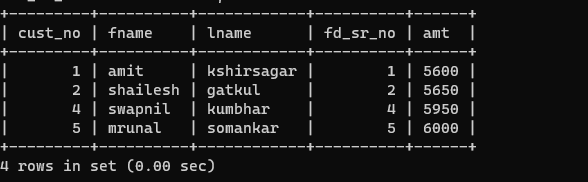
mysql> select \* from acc\_fd\_cust\_dets;



mysql> select \* from fd\_dets;



mysql> select \* from cust\_mstr join fd\_dets on cust\_mstr.cust\_no=fd\_dets.fd\_sr\_no where amt>5000;



3. Create following Tables

emp\_mstr(e\_mpno,f\_name,l\_name,m\_name,dept,desg,branch\_no)

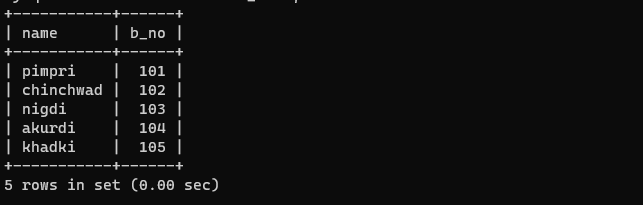
branch\_mstr(name,b\_no)

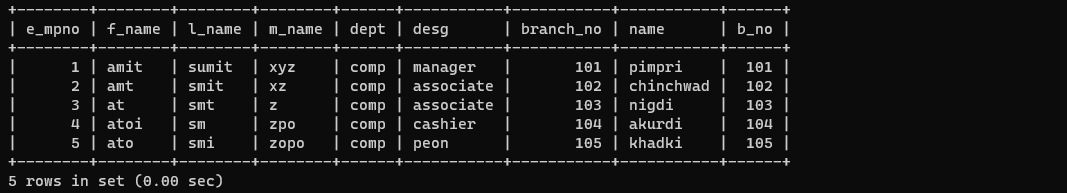
List the employee details along with branch names to which they belong

mysql> select \* from emp\_mstr;



mysql> select \* from branch\_mstr;



mysql> select \* from emp\_mstr join branch\_mstr on emp\_mstr.branch\_no=branch\_mstr.b\_no;

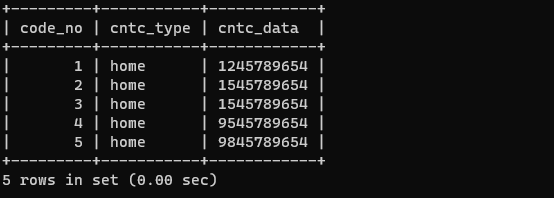
4. Create following Tables

emp\_mstr(emp\_no,f\_name,l\_name,m\_name,dept)

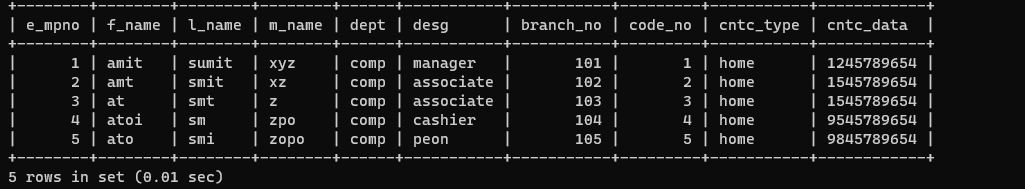
cntc\_dets(code\_no,cntc\_type,cntc\_data)

List the employee details along with contact details using left outer join & right join.

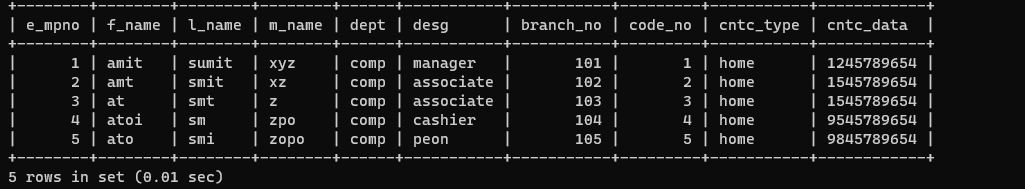
mysql> select \* from cntc\_dets;



mysql> select \* from emp\_mstr left join cntc\_dets on emp\_mstr.e\_mpno=cntc\_dets.code\_no;



mysql> select \* from emp\_mstr right join cntc\_dets on emp\_mstr.e\_mpno=cntc\_dets.code\_no;



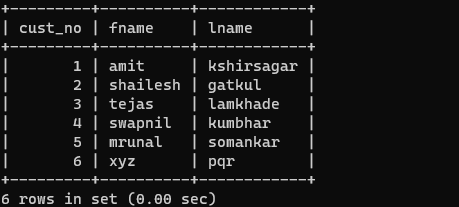
5. Create following Tables

cust\_mstr(cust\_no,fname,lname)

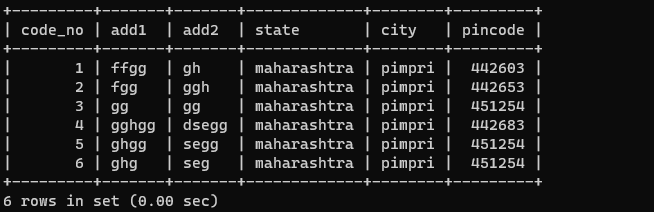
add\_dets(code\_no,pincode)

List the customer who do not have bank branches in their vicinity.

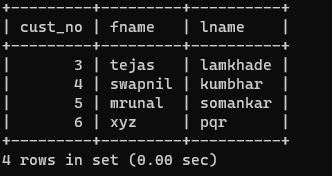
mysql> select \* from cust\_mstr;



mysql> select\* from add\_dets;



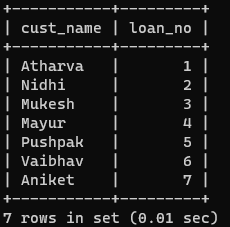
mysql> select \* from cust\_mstr where cust\_no not in (select code\_no from add\_dets,branch\_mstr where add\_dets.pincode=branch\_mstr.pincode);



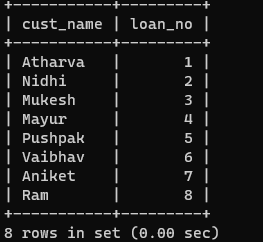
6. a) Create View on borrower table by selecting any two columns and perform insert update delete operations

mysql> create view VIEW as select cust\_name,loan\_no from Borrower;

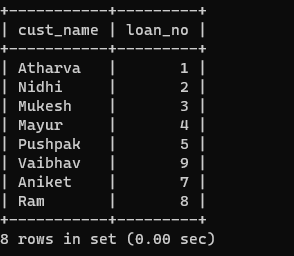
mysql> select \* from VIEW;



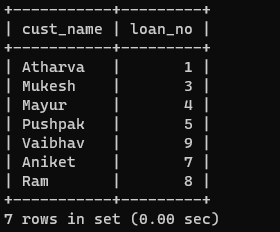
mysql> insert into view values("Ram",8);



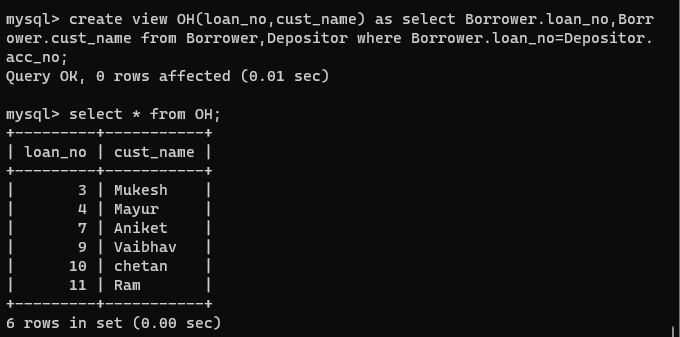
mysql> update view set loan\_no=9 where cust\_name="Vaibhav";

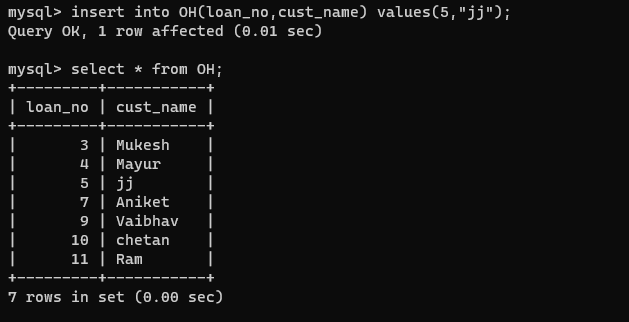


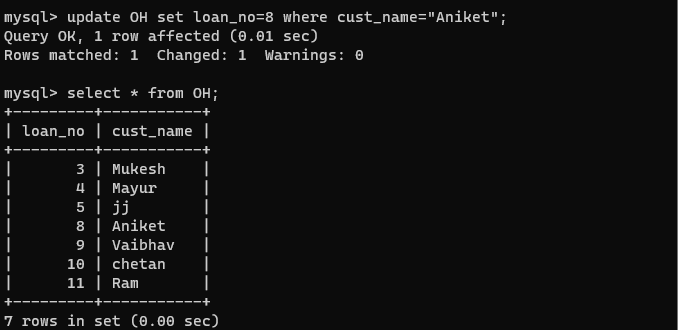
mysql> delete from view where loan\_no=2;

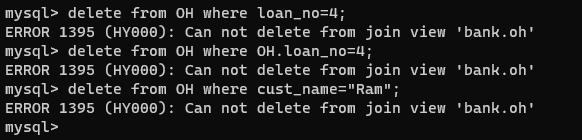


b) Create view on borrower and depositor table by selecting any one column from each table perform insert update delete operations.





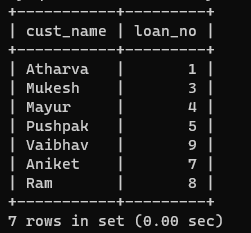




c) create updateable view on borrower table by selecting any two columns and perform insert, update and delete operations.

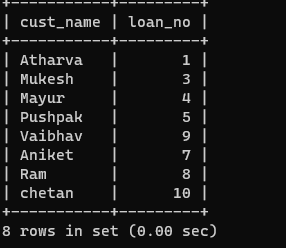
mysql> create view my\_view as select cust\_name,loan\_no from Borrower;

mysql> select \* from my\_view;



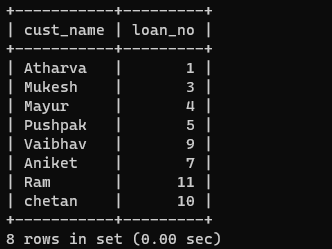
mysql> insert into my\_view values("chetan",10);

mysql> select \* from my\_view;



mysql> update my\_view set loan\_no=11 where cust\_name="Ram";

mysql> select \* from my\_view;



mysql> delete from my\_view where loan\_no=5;

mysql> select \* from my\_view;

