**Assignment No :02**

Name : Mrunal R. Somankar

Roll No : TCOA46

Activity to be Submitted by Students

(Insert, Select, Update, Delete, operators, functions, setoperator, all constraints, view, index, synonym, sequence)

Create following relations and excecute the queries given below.

Account(Acc\_no,Branch\_Name,Balance)

Branch(Branch\_Name,Branch\_City,Assets)

Customer(Cust\_Name,Cust\_Street,Cust\_City)

Depositor(Cust\_Name,Acc\_No)

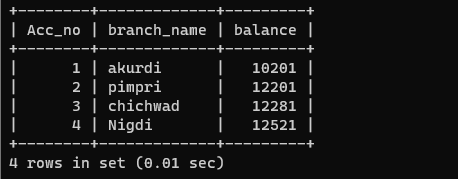
Loan(Loan\_No,Branch\_Name,Amount)

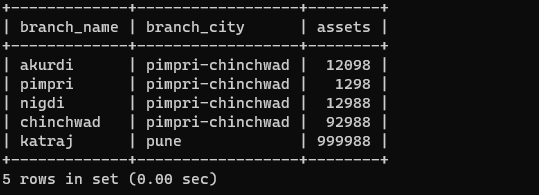
Borrower(Cust\_Name,Loan\_No)

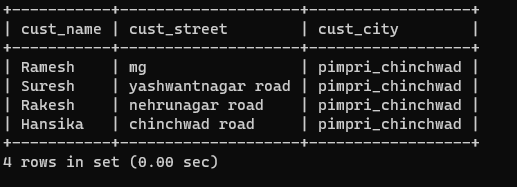
mysql> create database Bank;

mysql> use Bank;

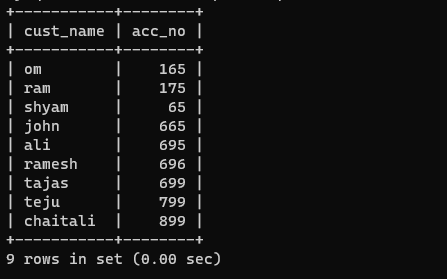
mysql> select \* from Account;



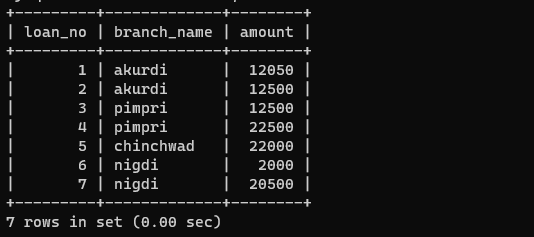
mysql> select \* from Branch;

mysql> select \* from Customer;

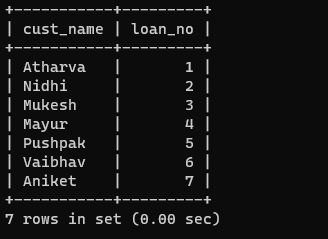
mysql> select \* from Depositor;



mysql> select \* from Loan;

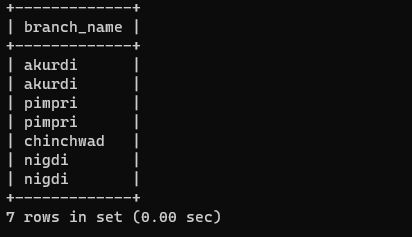


mysql> select \* from Borrower;



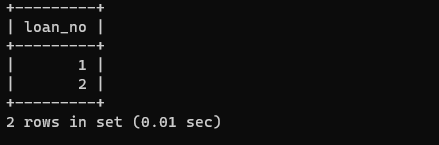
Q1. Find the names of all branches in loan relation.

mysql> select branch\_name from Loan;



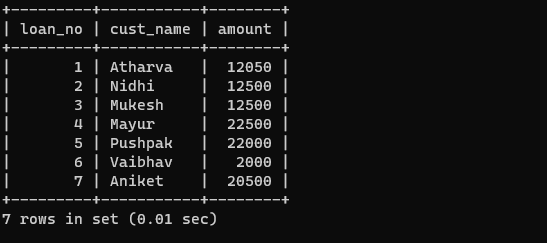
Q2. Find all loan numbers for loans made at Akurdi Branch with loan amount > 12000.

mysql> select loan\_No from Loan where branch\_name='akurdi' and amount>12000;



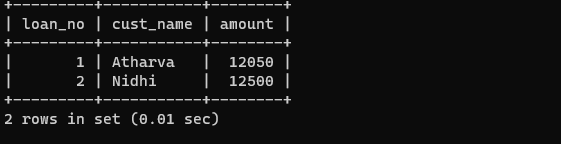
3. Find all customers who have a loan from bank. Find their names,loan\_no and loan amount.

mysql> select Loan.loan\_no,cust\_name,amount from Loan,Borrower where Loan.loan\_no=Borrower.loan\_no;



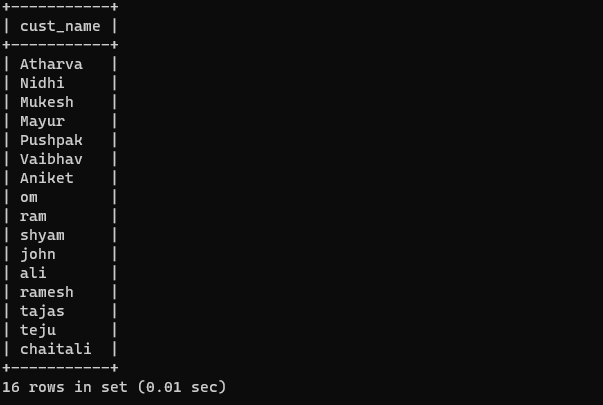
4.List all customers in alphabetical order who have loan from Akurdi branch.

mysql> select loan.loan\_no,cust\_name,amount from Loan,Borrower where Loan.loan\_no=Borrower.loan\_no and branch\_name='akurdi' order by cust\_name asc;



5. Find all customers who have an account or loan or both at bank.

mysql> select cust\_name from Borrower union select cust\_name from Depositor;



6. Find all customers who have both account and loan at bank.

mysql> select cust\_name from Borrower where cust\_name in(select cust\_name from Depositor);

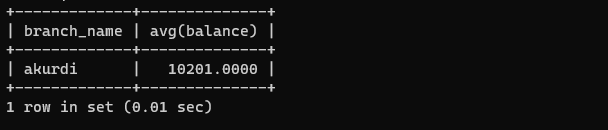
7.Find all customer who have account but no loan at the bank.

mysql> select cust\_name from Depositor where cust\_name not in(select cust\_name from Borrower);



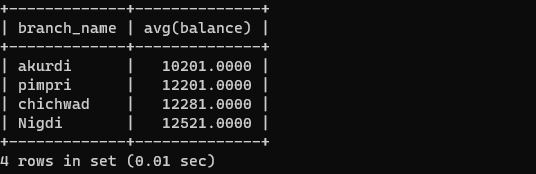
8. Find average account balance at Akurdi branch.

mysql> select branch\_name,avg(balance) from Account where branch\_name='akurdi';



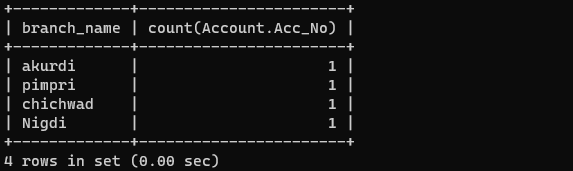
9. Find the average account balance at each branch

mysql> select branch\_name,avg(balance) from Account group by branch\_name;



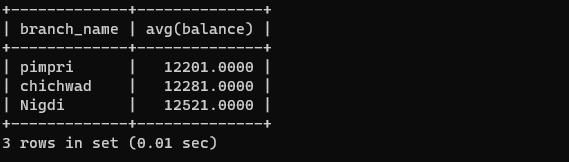
10. Find no. of depositors at each branch.

mysql> select branch\_name,count(Account.Acc\_No) from Depositor,Account where Depositor.acc\_No=Account.Acc\_No group by branch\_name;



11. Find the branches where average account balance > 12000.

mysql> select branch\_name,avg(balance) from Account group by branch\_name having avg(balance)>12000;

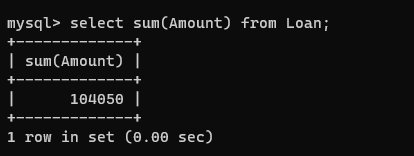


12. Find number of tuples in customer relation.

mysql> select count(\*) from Customer;



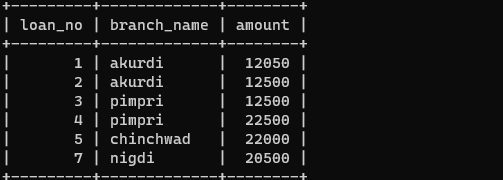
13. Calculate total loan amount given by bank.

mysql> select sum(Amount) from Loan;

14. Delete all loans with loan amount between 1300 and 1500.

mysql> delete from Loan where Amount>900 and Amount<2500;

mysql> select\* from Loan;



15. Delete all tuples at every branch located in Nigdi.

mysql> delete from Branch where branch\_name='nigdi';

mysql> select \* from Branch;

