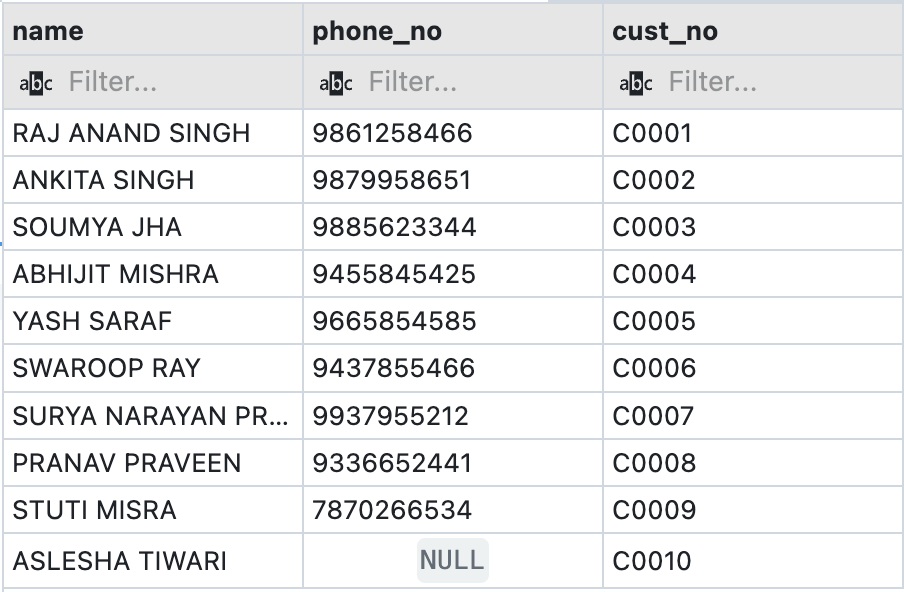
Introduction to Databases (CSE 3151)

**Assignment 3: Subqueries and Joins**

1. **Write the expression for the following set of queries in SQL, based on the set of schemas of Assignment (4), using concept of sub query.**

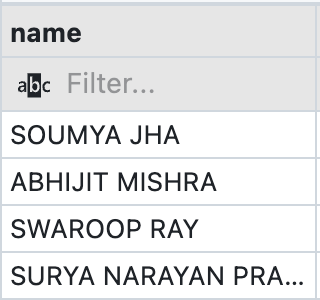
a) Find out the name, phone\_no and cust\_no of customer having Account\_no “A0004”.

Ans-



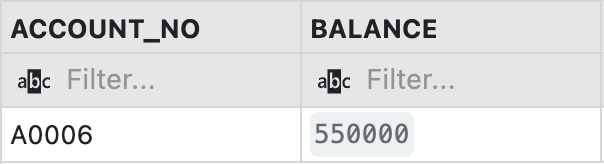
b) Find out the name of the customer who has not taken any loan.

Ans-



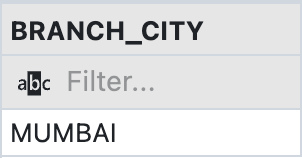
c) Find out the account\_no and Balance of customer with cust\_no = “C0010”.

Ans-



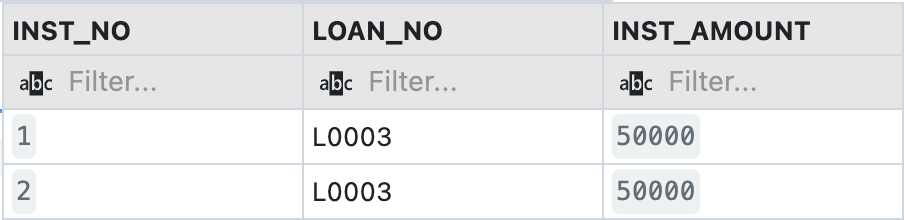
d) Find out the branch\_city where “ASLESHA TIWARI” has taken a loan.

Ans-



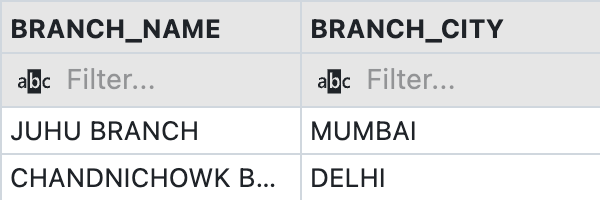
e) Find out the installment details of customer named “ANKITA SINGH”.

Ans-



f) Find out the branch name and branch city, in which “ABHIJIT MISHRA” has an account.

Ans-



g) Create a table named ACCOUNT\_TYPE from ACCOUNT table with two columns named

as ACCOUNT\_NO and TYPE without taking any records from ACCOUNT table.

Ans-

Output- No output as it only created the record

h) Insert the account no and type from ACCOUNT table into the ACCOUNT\_TYPE table

whose balance is less than 50000.

Ans-

Output- No output as it only updated the record

1. UPDTAE the account type to FD in ACCOUNT\_TYPE table for the customer with CUST\_NO equal to C0007.

Ans-

Output - No output as it only updated the record

j) Delete from ACCOUNT\_TYPE table the details of account whose balance is less than

20000.

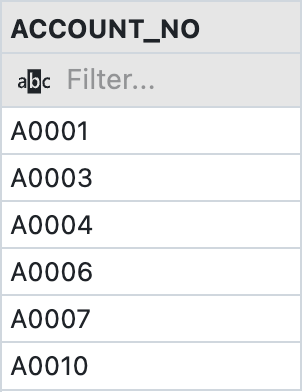
Ans-

Output- No output as it only deleted the record.

k) Find out the account\_no that has greater balance than some accounts of type FD. (Use

>some clause)

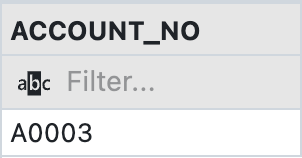
Ans-



l) Find out the account\_no that has grater balance than all accounts of type FD. (Use >all

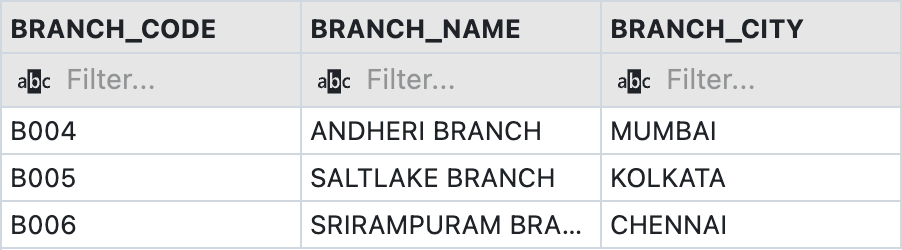
clause)

Ans-



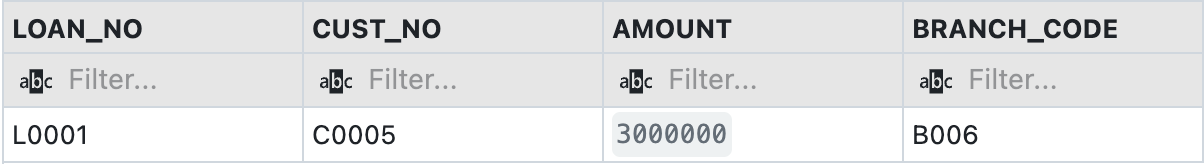
m) Display the details of the branch in which some loans are taken. (Use exist clause)

Ans-



n) Display the details of the loan for which no installments are paid. (Use not exist clause).

Ans-



o) Increase all accounts with balance over 80000 by 6%, and all other accounts receive 5%. (Use case statement)

Ans-

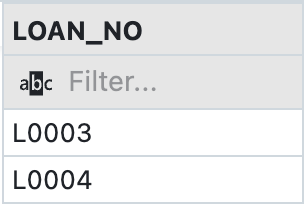
Output- No output as it only updated the record.

**2. Write the expression for the following set of queries in SQL, based on the set of schemas of**

**Assignment (4), using concept of join.**

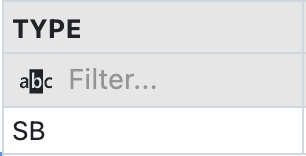
a) Find out the Loan\_nos where the loans are taken from any branch with branch\_city=MUMBAI.

Ans-



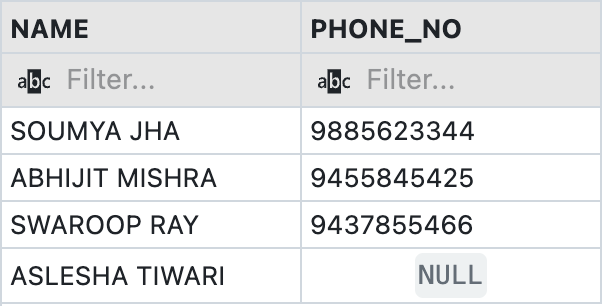
b) Find the Type of the accounts available in any branch with branch\_city =DELHI.

Ans-



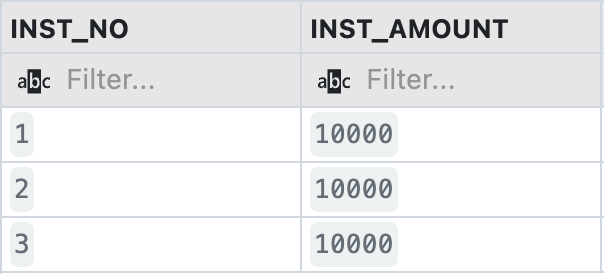
c) Find out the Name and Ph\_no of customers who have account balance more than 100000.

Ans-



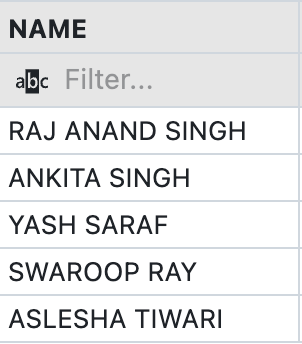
d) Find out Installment\_no and Installment amount of customer with Name= RAJ ANAND SINGH.

Ans-



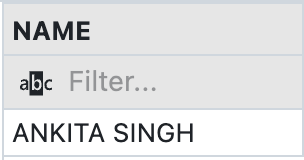
e) Find out the Name of the customers who do not have account of Type=SB.

Ans-



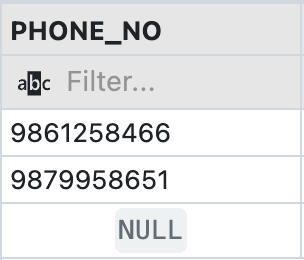
f) Find out the Name of the customers who have paid installments of Amount 50000 against his/her loan.

Ans-



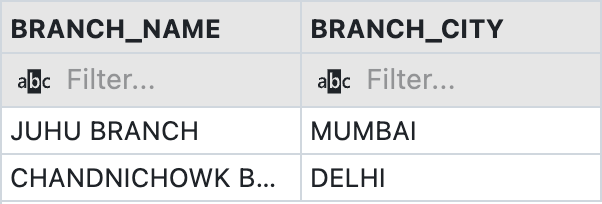
g) Find out the Ph\_no of customers having account at branch with Branch\_name equal to SALTLAKE.

Ans-



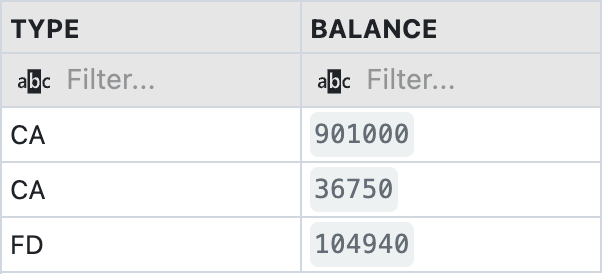
h) Find out the Branch\_name and Branch\_city where customer with Name=ABHIJIT MISHRA has his account.

Ans-



1. Find out the Types of account and the account Balance of customer with Name=’SWAROOP RAY’.

Ans-



j) Find all branch codes where the total balance is greater than the average of the total balance

at all departments. (Use with clause)

Ans-

