## PROGRAM 4: More Queries on Bank Database

Branch (branch-name: String, branch-city: String, assets: real)

BankAccount(accno: int, branch-name: String, balance: real)

BankCustomer (customer-name: String, customer-street: String,

customer-city: String)

Depositer(customer-name: String, accno: int)

LOAN (loan-number: int, branch-name: String, amount: real)

i. Find all the customers who have an account at all the branches located in a specific city

(Ex. Delhi).

SELECT D.customername

FROM Depositer D

JOIN BankAccount A ON D.accno = A.accno

JOIN Branch B ON A.branchname = B.branchname

WHERE B.branchcity = 'Delhi'

GROUP BY D.customername;



ii. Find all customers who have a loan at the bank but do not have an account.

SELECT DISTINCT C.customername

FROM BankCustomer C

JOIN Branch B ON C.customercity = B.branchcity

JOIN Loan L ON B.branchname = L.branchname

WHERE C.customername NOT IN (

SELECT customername FROM Depositer

);

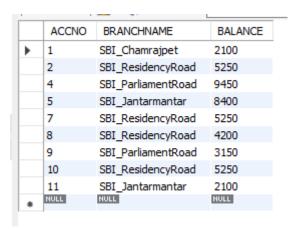


iii. Find all customers who have both an account and a loan at the Bangalore branch

SELECT C.customername

```
FROM BankCustomer C
JOIN Branch B ON C.customercity = B.branchcity
JOIN Loan L ON B.branchname = L.branchname
WHERE C.customername IN (
  SELECT customername FROM Depositer
)
group by C.customername;
      customername
     Dinesh
     Avinash
     Ravi
     Nikki
iv. Find the names of all branches that have greater assets than all branches located in
Bangalore.
select branchname from branch
where branchcity = "bangalore"
order by assets desc;
      ------
      branchname
     SBI Chamrajpet
     SBI_ResidencyRoad
v. Demonstrate how you delete all account tuples at every branch located in a specific city
(Ex. Bombay).
DELETE FROM BankAccount
WHERE branch_name IN (
  SELECT branch_name
  FROM Branch
  WHERE branch_city = 'Bombay'
```

);



vi. Update the Balance of all accounts by 5%

## **UPDATE BankAccount**

SET balance = balance \* 1.05;

	ACCNO	BRANCHNAME	BALANCE
•	1	SBI_Chamrajpet	2205
	2	SBI_ResidencyRoad	5512.5
	4	SBI_ParliamentRoad	9922.5
	5	SBI_Jantarmantar	8820
	7	SBI_ResidencyRoad	5512.5
	8	SBI_ResidencyRoad	4410
	9	SBI_ParliamentRoad	3307.5
	10	SBI_ResidencyRoad	5512.5
	11	SBI_Jantarmantar	2205
	NULL	NULL	NULL