DBT Problem Solving - Set - 007

***Consider the following relations***

***branch {branchid, branchname, city}***

***bank\_employee {employeeid, employeename, branchid, salary}***

***bank\_customer {customerid, customername, gender, city}***

***account {accountno, customerid, branchid, balance}***

***depositor {id, accountno, date, amount}***

***withdraw {id, accountno, date, amount}***

***loan {loannumber, branchid, amount}***

***loan\_borrower {id, customerid, loannumber}***

**Given the above relations solve the following queries.**

1. Write a query to display employee name and his salary also display the name of branch where he is working with the city name.
2. Write a query to display branch name and branch wise all customer details.
3. Write a query to display branch wise count of employees working for every branch.
4. Write a query to find how many female employees are working for every branch, display branch name also.
5. Write a query to display employee name, salary, branchname, and city who are working in 'Kothrud' branch.
6. Write a query to display the average salary of all employees branchID wise.
7. Write a query to display all employees whose salary is more than the average salary of branchID 3.
8. Write a query to display all employees who are working in the same branch where 'Sharmin' works. Display the result excluding the employee 'Sharmin'.
9. Write a query to display customer name, gender and his account number with balance and city for the customer 'Pinky'.
10. Write a query to display the customer name whose account number is 2222.
11. Write a query to display deposit details which was done on '2019-04-13'.
12. Write a query to display all customers who have taken loan.
13. Write a query to display highest paid employee for every branch.
14. Write a query to display all employees whose salary is more than that of 'Supriya' salary.
15. Write a query to display all customers who have not taken loan.

Answers Set – 007:

1. select branchName, city, EmployeeName, Salary from branch, bank\_employee where branch.branchId = bank\_employee.branchID;
2. select bank\_customer.\*, branchName from branch, bank\_customer, account where account.customerID = bank\_customer.customerID and account.branchId = branch.branchId order by customerID;
3. select branchname, count(\*) R1 from branch, bank\_employee where branch.branchId = bank\_employee.branchID group by branchname;
4. select branchname, count(\*) from branch, bank\_employee where branch.branchId = bank\_employee.branchID and gender = 'F' group by branchname;
5. select branchName, city, EmployeeName, Salary from branch, bank\_employee where branch.branchId = bank\_employee.branchID and branchname = 'Kothrud';
6. select branchID, avg(salary) from bank\_employee group by branchID;
7. select \* from bank\_employee where salary > (select avg(salary) from bank\_employee where branchID = 3);
8. select bank\_employee.\* from branch, bank\_employee where branch.branchID = bank\_employee.branchID and branch.branchID = (select branchID from bank\_employee where employeename = 'sharmin') and employeename <>'sharmin';
9. select customerName, accountNo, balance, gender, city from account, bank\_customer where bank\_customer.customerID = account.customerID and customerName = 'Pinky';
10. select customerName from bank\_customer, account where account.customerID = bank\_customer.customerID and accountNo = 2222;
11. select \* from depositor where date = '2019-04-13';
12. select \* from bank\_customer where exists (select \* from loan\_borrower where bank\_customer.customerID = loan\_borrower.customerID);
13. select branchname, max(salary) from branch, bank\_employee where branch.branchId = bank\_employee.branchID group by branchname;
14. select \* from bank\_employee where salary >(select salary from bank\_employee where employeename = 'Supriya');
15. select \* from bank\_customer where not exists (select \* from loan\_borrower where bank\_customer.customerID = loan\_borrower.customerID);