DBT Problem Solving - Set - 008

***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 find account-number, branch-name, and balance whose balance is smaller than 60000.
2. Write a query to get all customer-name whose customer-city is 'Pune'.
3. Write a query to find all employees whose salary is greater than 4500.
4. Write a query to count the total customer in 'PUNE' city.
5. Write a query to find all employees whose salary is greater than 2500 and branch-name is 'Kothrud' branch.
6. Write a query to calculate the average salary of all employees and show the average salary as "avgerage\_salary".
7. Write a query to display the branch name and sum of salary of all employees for every branch name group.
8. Write a query to get all customer names who have taken the loan.
9. Write a query to get the maximum loan amount.
10. Write a query to get the minimum loan amount.
11. Write a query to display the customer name who has taken the maximum loan amount.
12. Write a query to display customer and count the number account each customer has.
13. Write a query to get all customer names whose customer name starts with 'S'.
14. Write a query to get all branch names whose loan amount is in 5 digits.
15. Write a query to display the customer name who has taken the minimum loan amount.

Answers Set – 008:

1. select accountNo, branchName, balance from account, branch where account.branchID = branch.branchID and balance < 60000;
2. select \* from bank\_customer where city = 'Pune';
3. select \* from bank\_employee where salary > 4500;
4. select count(\*) from bank\_customer where city='Pune';
5. select \* from branch, bank\_employee where branch.branchID = bank\_employee.branchID and salary > 2500 and branchName = 'Kothrud';
6. select avg(salary) as "avgerage\_salary" from bank\_employee;
7. select branchName, sum(salary) from branch, bank\_employee where branch.branchID = bank\_employee.branchID group by branchName;
8. select distinct customerName from bank\_customer, loan\_borrower where bank\_customer.customerID = loan\_borrower.customerID;
9. select max(amount) from loan;
10. select min(amount) from loan;
11. select customerName from bank\_customer, loan, loan\_borrower where bank\_customer.customerID = loan\_borrower.customerID and loan\_borrower.loanNumber = loan.loanNumber and amount = (select max(amount) from loan);
12. select customerName, count(\*) from bank\_customer, account where bank\_customer.customerID = account.customerID group by customerName;
13. select customerName from bank\_customer where customerName like 'S%';
14. select distinct branchName from branch, loan where branch.branchID = loan.branchID and length(amount)= 5;
15. select customerName from bank\_customer, loan, loan\_borrower where bank\_customer.customerID = loan\_borrower.customerID and loan\_borrower.loanNumber = loan.loanNumber and amount = (select min(amount) from loan);