Laboratory Assignments
Subject: Introduction to Databases
Subject code: CSE 3151

Assignment 5: Subqueries and Joins

Objective of this Assignment:

- To write SQL query using concept of sub query and join.

A) 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.

1. Find out the name, phone_no and cust_no of customer having Account_no "A0004".
2. Find out the name of the customer who has not taken any loan.
3. Find out the account_no and Balance of customer with cust_no = "C0010".
4. Find out the branch_city where "ASLESHA TIWARI" has taken a loan.
5. Find out the installment details of customer named "ANKITA SINGH".
6. Find out the branch name and branch city, in which "ABHIJIT MISHRA" has an account.
7. 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.
8. Insert the account no and type from ACCOUNT table into the ACCOUNT_TYPE table whose balance is less than 50000.
9. UPDTAE the account type to FD in ACCOUNT_TYPE table for the customer with CUST_NO equal to C0007.
10. Delete from ACCOUNT_TYPE table the details of account whose balance is less than 20000.
11. Find out the account_no that has greater balance than some accounts of type FD. (Use >some clause)
12. Find out the account_no that has grater balance than all accounts of type FD. (Use >all clause)
13. Display the details of the branch in which some loans are taken. (Use exist clause)
14. Display the details of the loan for which no instalments are paid. (Use not exist clause)
15. Increase all accounts with balance over 80000 by 6%, and all other accounts receive 5%. (Use case statement)

B) Write the expression for the following set of queries in SQL, based on the set of schemasof Assignment (4), using concept of join.

1. Find out the Loan_nos where the loans are taken from any branch with branch_city =MUMBAI.
2. Find the Type of the accounts available in any branch with branch_city =DELHI.
3. Find out the Name and Ph_no of customers who have account balance more than 100000.
4. Find out Installment_no and Installment amount of customer with Name= RAJ ANAND SINGH.
5. Find out the Name of the customers who do not have account of Type=SB.
6. Find out the Name of the customers who have paid installments of Amount 50000 against his/her loan.
7. Find out the Ph_no of customers having account at branch with Branch_name equal to SALTLAKE.
8. Find out the Branch_name and Branch_city where customer with Name=ABHIJIT MISHRA has his account.
9. Find out the Types of account and the account Balance of customer with Name='SWAROOP RAY'
10. Find all branch codes where the total balance is greater than the average of the total balance at all departments. (Use with clause).