CSE 4508 – RDBMS Programming Lab

Lab 8

Materials: Prof. Dr. Abu Raihan Mostafa Kamal

A. You have an employee (ID, Name, Salary and Designation) table where salary is an attribute. Try to increase it by 50% for employees having salary < 5000 but with designation being either "officer" or "assistant-officer" and show how many rows got affected using an implicit cursor.

B. Create a table **transactions** (User_ID, Amount, T_Date) which stores all bank transactions of all the users in our hypothetical bank. Fill up the table with a few transactions of your choice. Create another table **loan_type** (Scheme, Installment_Number, Charge, Min_Trans). Loan_type will have the loan schemes as shown below. For simplicity, you can store the Scheme as a number, such as 1, 2, or 3 instead of "S-A/S-B/S-C". Insert only **those 3 specific rows** into the table. Now, create a function that takes as input a User_ID, calculates his/her total transactions, and checks against the loan_type table (use a cursor here) to determine the correct present loan scheme for this person. Return and display the loan_scheme number.

Scheme	No. of Installment	Service Charge for remaining loan	Eligibility
S-A	30	5%	Total Transaction in the last 12 months≥ 2000000
S-B	20	10%	Total Transaction in the last 12 months≥ 1000000
S-C	15	15%	Total Transaction in the last 12 months≥ 500000