

CSE 4508 – RDBMS Programming Lab

Lab 6

Group 1A

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- A. Create and populate employees and dept table as following:

DEPT_ID	DEPT_NAME
1	CSE
2	MCE
3	EEE
4	CEE

FIRST_NAME	LAST_NAME	EMPLOYEE_ID	DEPT_ID	SALARY
Fardin	Saad	1	2	835.32
Mezbaur	Rahman	2	2	987.2
tasnim	Ahmed	3	2	2505.95
Shahriar	Ivan	4	2	1746.57
Anas	Jawad	5	1	4024.7
Bakhtiar	Ahmed	7	3	700

Try to update the employee table by increasing the salary of all the employees of MCE dept by 50% and by decreasing the salary of CSE dept by 10% and show how many rows got affected by implicit cursor.

- B. Create a function that will take N as an input and return the Nth highest salary from the employee table. (You must use explicit cursor to solve this).
- C. 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 at least 10 transactions of your choice. Create another table **loan_type** (Scheme, Installment_Number, Charge, Minimum_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 \geq 2000000
S-B	20	10%	Total Transaction in the last 12 months \geq 1000000
S-C	15	15%	Total Transaction in the last 12 months \geq 500000