

Name: (1) \_\_\_\_\_ / \_\_\_\_\_ Student#: (1) \_\_\_\_\_ Date: \_\_\_\_\_  
Last/Family (PRINT) Given/First (PRINT)

Name: (2) \_\_\_\_\_ / \_\_\_\_\_ Student#: (2) \_\_\_\_\_  
Last/Family (PRINT) Given/First (PRINT)

**NOTE: You are highly encouraged to do this exercise with a partner.**

## COMP 3311: Database Management Systems

### Lecture 10 Exercises

#### SQL Queries

Client(clientName, clientStreet, clientCity)

Branch(branchName, branchCity, assets)

Account(accountNo, balance, *branchName*)

Loan(loanNo, amount, *branchName*)

Depositor(*clientName*, accountNo)

Borrower(*clientName*, loanNo)

**Exercise 1:** Construct a PL/SQL procedure to calculate the interest payable to a client holding an account and to update the account balance with the interest payable according to the following schedule.

0% if balance < \$10,000

2% if  $\$10,000 \leq \text{balance} < \$100,000$

4% if balance  $\geq \$100,000$

Additionally, if the balance is greater than or equal to \$100,000 and the client has a loan, then give an additional 1% interest.

create or replace procedure CalculateInterest as