COMP810 Data Warehousing

Introduction to PL/SQL and cursors

Task 1: Ensure you have access to the EMP table by issuing the command:
        DESC Emp

   If you do not have access to Emp table, save the file Emp_CreateDB.sql to your H:\ drive and run it.

Task 2: Create a procedure called QryEmp to query the EMP table, and print the job and salary for a particular employee; the employee number will be accepted from the keyboard.

Task 3: Create a procedure called DelEmp to delete a particular employee; the employee name will be accepted from the keyboard.

Task 4: Change the procedure in task 2 to display the employee number, name and salary+commission of a particular employee. Save this as QryEmpSal.

Task 5:

1. Complete the code in script *Task5.sql.* You will need to replace ***** with code that works.
2. Test this script for correctness.

Coding Standards to follow:
    Variable names start with v_   eg   v_Total
    Cursor names start with c_   eg   c_OrdItem

NOTE: You will first need to create the tables Orders16 and Orders17. The tables will have the same structure as Shoba.SalesOrder table.

```
-- As the Company is building a Data Warehouse, they need a pl/sql
-- script to process orders by date.

/* This block of code reads each order in SalesOrder table and writes:
     - orders for 2016 to the orders16 table, and
     - orders for 2017 to the orders17 table. */


DECLARE
    CURSOR c_ord_cur IS
      SELECT *****
        FROM shoba.SalesOrder;                  /*currently shoba's demo-
table. You may wish to create a copy of this table in your own schema.*/

    *****  c_ord_cur%ROWTYPE;
BEGIN
    OPEN *****
    LOOP
        FETCH *****

        EXIT WHEN *****

        IF ***** THEN
                INSERT INTO *****
             VALUES *****
        dbms_output.put_line('Row with' || v_ord_rec.orderdate||' is in
orders16');
      END IF;

      IF ***** THEN
                INSERT INTO *****
             VALUES *****
          dbms_output.put_line('Row with' || v_ord_rec.orderdate||' is
in orders17');
        END IF;
    END LOOP;
    CLOSE *****
    COMMIT;
END;
```