**ORACLE PL/SQL – Chapter 6: Writing Explicit Cursors**

***PL/SQL queries should return one or zero rows only otherwise exception handling or explicit cursors must be used!!!***

***This is so important that we are going to address the issue of explicit cursors today!!***

**ASSIGNMENT 6 – LESSON 6**

## Question 1

1. Declare an explicit cursor named ORD\_CURSOR to retrieve the products and quantities ordered for a specific order. Using a substitution variable p\_ord\_id to retrieve and display the information as listed below:

***Enter value for p\_ord\_id: 100***

***Item 1: 500 of 10011(Bunny Boot) ordered***

***Item 2: 400 of 10013(Pro Ski Boot) ordered***

***Item 3: 500 of 10021(Bunny Ski Pole) ordered***

***Item 4: 400 of 10023(Pro Ski Pole) ordered***

***Item 5: 600 of 30326(Himalaya Bicycle) ordered***

***Item 6: 450 of 30433(New Air Pump) ordered***

***Item 7: 250 of 41010(Prostar 10 Pound Weight) ordered***

1. Open the cursor.
2. Use the cursor to retrieve the values into variables and display the information.
3. Close the cursor.

## Question 2

Repeat question 1, but list only the first three products belonging to the order. Copy the code of question 1 and make the necessary changes. Use a WHILE loop and the %ROWCOUNT attribute to list the first three products. You are also not allowed to address the ***item\_id*** of any table, except for sorting purposes!!

## Question 3

Repeat question 1 and use a PL/SQL cursor record to display the information belonging to a specific order as listed below. You do not need to display the product names when answering this question.

***Enter value for p\_ord\_id: 100***

***Item 1: 500 of 10011 ordered***

***Item 2: 400 of 10013 ordered***

***Item 3: 500 of 10021 ordered***

***Item 4: 400 of 10023 ordered***

***Item 5: 600 of 30326 ordered***

***Item 6: 450 of 30433 ordered***

***Item 7: 250 of 41010 ordered***

## Question 4

Repeat question 2, but declare and use a PL/SQL record to retrieve and display the information belonging to the specific order. Also list the product names.

## Question 5

Repeat question 4, but use a cursor FOR loop.

## Question 6

Repeat question 5, but make use of a cursor FOR loop that uses a subquery.