**ORACLE PL/SQL – Chapter 5: Composite Data Types**

**ASSIGNMENT 5**

## Practice Questions

***Ignore the questions of practice 5 of your PL/SQL Manual. Instead answer these questions using SUMMIT.***

## Question 1

1. Declare a PL/SQL record based on the structure of the S\_EMP table. Make use of %ROWTYPE.
2. Use the DEFINE command to provide an employee id. Pass the value of 24 as the employee id to the PL/SQL block through an iSQL\*Plus substitution variable.
3. Use the DBMS\_OUTPUT.PUT\_LINE package to display the following information of the employee:

**Bela DANCS's salary is R860 and she is a Stock Clerk**

Note the **’s** between DANCS and salary!!!

## Question 2

1. Declare a PL/SQL record type to hold the employee’s initial, surname,title, salary, commission and income per month. The income per month is defined as the salary plus the commission. Provide for NULL values.
2. Declare a record of this record type.
3. Pass the values of 1 and 14 respectively as the employee id to the PL/SQL block through an iSQL\*Plus substitution variable. Run the block individually for these two employees.
4. Use the DBMS\_OUTPUT.PUT\_LINE package to display the following information of the employee:

**SQL> /**

**C VELASQUEZ, a President- Salary: R2500; Commission: R250; Income: R2750**

**SQL> /**

**M NGUYEN, a Sales Representative- Salary: R1525; Commission: R228.75; Income: R1753.75**

## Question 3

1. Declare a PL/SQL record based on the structure of the S\_REGION table. Make use of %ROWTYPE.
2. Declare a PL/SQL record type to hold the employee’s first\_name, surname, department id and the region where he/she is employed.
3. Use the DEFINE command to provide an employee id. Pass the value of 13 as the employee id to the PL/SQL block through an iSQL\*Plus substitution variable.
4. Use the DBMS\_OUTPUT.PUT\_LINE package to display the following information of the employee:

**Yasmin Sedeghi works in the Africa / Middle East region.**