**MCA-B013 CHUDASAMA VISHAL**

SQL> -- **day-10.docx** file exercise

SQL> **-- Question-1 tables: products, order\_details**

SQL> set serveroutput on;

SQL> **-- 1. Write a PLSQL block to display total number of products ordered in Order\_ID = 3**

SQL> **declare**

2 **total\_products number;**

3 **begin**

4 **select count(prod\_id) INTO total\_products from ORDER\_DETAILS where ORDER\_ID=3;**

5 **dbms\_output.put\_line('total number of products: ' || total\_products);**

6\* **end;**

SQL> /

**total number of products: 3**

PL/SQL procedure successfully completed.

SQL> **-- 2. Write a PLSQL block to update the price (actual price + 5) of product with Id = 2**

SQL> **begin**

2 **update PRODUCTS set PRICE=PRICE+5 where PROD\_ID=2;**

3\* **end;**

SQL> /

PL/SQL procedure successfully completed.

SQL> **-- 3. Write a PLSQL block to delete the products of Cat\_Id = 3**

SQL> **begin**

2 **delete from PRODUCTS where Cat\_Id=3;**

3\* **end;**

SQL> /

PL/SQL procedure successfully completed.

SQL> **-- 4. Write a PLSQL block to insert any product whose cat\_id = 3**

SQL>

1 **begin**

2 **INSERT INTO PRODUCTS (Prod\_ID, Prod\_Name, Supplier\_ID, Cat\_ID, Unit, Price) VALUES (3, 'Product 3', 103, 3, 'Pack', 30);**

3\* **end;**

SQL> /

PL/SQL procedure successfully completed.

SQL> select \* from PRODUCTS;

PROD\_ID PROD\_NAME SUPPLIER\_ID CAT\_ID UNIT PRICE

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3 Product 3 103 3 Pack 30

1 Product 1 101 1 Piece 100

2 Product 2 102 2 Box 30

4 Product 4 104 1 Bag 15

SQL> **-- 5. Write a PLSQL block to display Supplier\_Id and their total number of products they supply**

SQL> **BEGIN**

2 **dbms\_output.put\_line('SUPPLIER\_ID TOTAL\_PRODUCTS');**

3 **dbms\_output.put\_line('--------------------------------');**

4 **for data in(select Supplier\_ID, count(Prod\_ID) as total\_products from PRODUCT group by Supplier\_ID)**

5 **loop**

6  **dbms\_output.put\_line(' ' || data.Supplier\_ID || ' ' || data.total\_products);**

7  **end loop;**

8 **END;**

9 **/**

SUPPLIER\_ID TOTAL\_PRODUCTS

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101 1

102 1

103 1

104 1

PL/SQL procedure successfully completed.