Assignment 8
DBMS Lab(PC-CS692)

OBJECTIVE- Learning PL/SQL Function and Procedure

Q.1. Considering the table **Client_master** created earlier with the following structure:

Column Name	Datatype and size
Client_no	VARCHAR2(6)
Name	VARCHAR2(20)
Address1	VARCHAR2(30)
Address2	VARCHAR2(30)
City	VARCHAR2(15)
State	VARCHAR2(15)
Pincode	VARCHAR2(6)
Bal_due	NUMBER(10,2)

Write a PL/SQL function to get the balance due for a given client number passed as argument to the function.

Q.2. Considering the table **Client_master** created earlier, write a PL/SQL function that returns the full address of a client whose name is passed as argument to the function.

Q.3. Considering the table **Client_master** created earlier, write a PL/SQL function to return the name of the client by city, passed as argument to the function.

Q.4. Considering the **Product_master** table created earlier, write a procedure to update the selling price based on profit percentage for an item whose Product_no is passed as argument.

Note: The structure of Product_master table is:

Column Name	Datatype and size
Product_no	VARCHAR2(10)
Description	VARCHAR2(30)
Profit_percent	NUMBER(5,2)
Unit_measure	VARCHAR2(10)
Qty_on_hand	NUMBER(6)
Reorder_lvl	NUMBER(6)
Sell_price	NUMBER(7,2)
Cost_price	NUMBER(7,2)

Q.5. Considering the Product_master table created earlier, write a **trigger** to prevent the selling price from being set below the cost price while insertion or update of any data in the Product_master table.