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UIT2311 – Database Technology Lab *Assignment – 4*		*Assigned: 22-Nov-22* *Due: 1 Lab Hour*
Title: Views and Sequences		

Pizza Ordering System

Consider the following relations for Pizza Ordering System:

CUSTOMER (*cust_id*, cust_name, address, phone)

PIZZA (pizza_id, pizza_type, unit_price)

ORDERS (order_no, cust_id, order_date, delv_date)

ORDER_LIST (order_no, pizza_id, qty)

a) Draw schema diagram for Pizza database.

b) Create tables with appropriate data types and integrity constraints in order to populate tables from the ***Pizza_DB.sql*** file***.***

c) Include constraint : The quantity ordered for a pizza cannot be null.

Create the following **views** and perform DML operations on it. Classify whether a views is ***Updatable or not***.

1. An user is interested to have list of pizza's in the range of Rs.200-250. Create a view **Pizza_200_250** which keeps the pizza details that has the price in the range of 200 to 250.
2. Pizza company owner is interested to know the number of pizza types ordered in each order. Create a view **Pizza_Type_Order** that lists the number of pizza types ordered in each order.
3. To know about the customers of *Spanish* pizza, create a view **Spanish_Customers** that list out the customer id, name, order_no of customers who ordered Spanish type.
4. Create a sequence named **Order_No_Seq** which generates the Order number starting from 1001, increment by 1, to a maximum of 9999. Include options of cycle, cache and order. Use this sequence to populate the rows of **Order_List** table.
   [Hint: Append the *order_no* generated by the sequence with 'OP' and then insert the values]

What you have to submit:

1. Schema Diagram with constraints
2. Demo script file