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	CS8481 – DBMS Lab ***Assignment – 4***	***Assigned: 19-Jan-19*** ***Due: 1 Lab Hour***
Title: Views, Sequences and Synonyms		

Aim:

a) To create view(s) based on table(s) or view(s) and observe its behavior while performing update operations on it.

b) To create objects like sequences and synonyms.

Consider the schema used in the Assignment-3.

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

1. Create a view named **Blue_Flavor,** which display the product details (product id, food, price) of Blueberry flavor.
2. Create a view named **Cheap_Food,** which display the details (product id, flavor, food, price) of products with price lesser than $1. Ensure that, the price of these food(s) should never rise above $1 through view.
3. Create a view called **Hot_Food** that show the product id and its quantity where the same product is ordered more than once in the same receipt.
4. Create a view named **Pie_Food** that will display the details (customer lname, flavor, receipt number and date, ordinal) who had ordered the Pie food with receipt details.
5. Create a view **Cheap_View** from **Cheap_Food** that shows only the product id, flavor and food.
6. Create a sequence named **Ordinal_No_Seq** which generates the ordinal number starting from 1, increment by 1, to a maximum of 10. Include the options of cycle, cache and order. Use this sequence to populate the item_list table for a new order.
7. Create a synonym named **Product_details** for the item_list relation. Perform the DML operations on it.
8. Drop all the above created database objects.

HELP:

1. To view the meta-data of views:

   `USER_VIEWS, USER_UPDATABLE_COLUMNS`

2. To view the meta-data of sequences:

   `USER_SEQUENCES`

What you have to submit:

1. Schema Diagram with constraints
2. Demo script file