



**SSN COLLEGE OF ENGINEERING**  
**Department of**  
**Computer Science &**  
**Engineering**

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**CS8481 – DBMS Lab**  
**Assignment – 4**

**Assigned: 04-Apr-22**  
**Due: 1 Lab Hour**

**Title: Views**

**Aim:**

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

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. Drop the view Cheap\_View

**Note:** Notify the changes reflected in the base tables when you update through the view. Use the following format to record the view behavior:

View 1 : (testview)

Observation / Operation	Operation on View	Reflection in Base Table
INSERT	/	/
UPDATE	attr1, attr3	attr1, attr3
DELETE	/	/

RESULT : The View 1 is a updatable-join view

### General Guidelines

- i) Place a tick [✓] mark if the operation is successful through the view/base table OR reflected in view/base table.
- ii) Place a cross [X] mark, if the operation is not allowed through view/base table OR is not reflected in view/base table.
- iii) For Insert/Update operation, only if some (or subset) of attributes are permitted, mention those attributes in the corresponding column.

Classify the views as follows:

- i) updatable /updatable join view – views whose rows can be modified
- ii) insertable-into view – views into which only new rows can be inserted
- iii) To view the meta-data of views:  
USER\_VIEWS, USER\_UPDATABLE\_COLUMNS

### What you have to submit:

1. Schema Diagram with constraints
2. Demo script file

