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TE IT (A)

**Assignment No 8**

**Title:** Use of View

**Problem Statement :** Execute DDL statement which demonstrate the use of views. Try to update the base table using its corressponding view. Also consider restrictions on updatableviews and perform view creation from multiple tables.

**Requirements:** Mysql 8.0 Command Line Client

**Prerequisites :** Basic knowledge of DDL, DML commands.

**Theory :**

* **View**
* **Definition** – A view is defined as a database object that allows us to create a virtual table in the database whose contents are defined by a query or taken from one or more tables.
* **Purpose –** Views hide data complexity. Views add security by restricting access to the columns of a table. Views simply queries for the user. It is way to isolate application from changes in definitions of base tables.
* **Syntax** –
* To create-: create view view\_name as sub\_query

For Ex. create view v1 as select s\_id, s\_name, sdob from student;

* To update or modify -:

update v1 set inst\_name='Kane' where inst\_id=122;

* To drop -:

Syntax – drop view view\_name;

ForEx. - Drop view v1;

* **View Creation From Single table (with primary key) :**
* This operations can be performed as many times as you want.
* We can’t use alter statement on view, this is the only restriction.
* We can perform select, insert, update, delete operations on

the view table Primary key.

* **View creation from single table without primary key –**
* We can perform select, delete and update operations

by using above syntax on view.

* Insert operation is performed only one time and its

default value is zero.

* **View creation from multiple table**
* We can perform select and update operations by using

above syntax on view.

* Insert and delete operations can’t be performed on view

of multiple table as there are more than one base tables,

this is the restriction on multiple table view creation.

**Conclusion:** Thus, we have studied view creation from single

Table with primary key and without primary key as well.

And view creation from multiple tables.