Assignment - 3

Name: - Lineshwari Anil Bagul

Div : AI -A

Rall NO: - 26

PRM : 19310204

Title: Excute DDL Statements which demonstrate the use of views. Try to update the base table using its corresponding view. Also consider nest-riction on uptable updatable views and perform view creation from multiple tables.

A view is defined as database object that allows us to create a lixtual table in the database whose contents are defined by a query or taken from one or more tables.

Virtual Table: A view does not Store data itself
but provides a way to access data from
one one more base tables.

Types of View:

Simple View: A Simple View is SQL is a Virtual table based on a SFIFCT query.

Syntax: CREATE VIEW View-name AS SELECT COlumn 1, column 2, FROM table_name;

Example: CREATE VIEW V1 AS SELECT ngo-name, ngo-phone FROM ngo-details;



2) Update: - An update statement is GQL modifies existing records in a table Syntax: Update View name SET Column-name = Value KIHERE Condition. Example: Update V2 SET îtem_no = 40 WHERE User_id = "MOO4"; 3) Simple liew with Order by clouse: The SOL ORDER By clause is used to sort the data in ascending or descending order, bosed on one or more columns. Syntax - CREATE VIEW View-name AS STECT COLUMNI, column 2, ... FROM FA table name ORDER BY column_name; Example: CREATE VIEW V3 AS SELECT ngo-id, ngo-name FROM ngo-details ORDER BY ngo-name; 4) Multitable Miew: A multitable Niew in SQL is a Virtual table created from a SELECT GUERLY that combines data from multiple table using soins Syntax: - CREATE VIEW View-name AS SHECT columni, column2, - FROM table, toble 2 WHERE Condition i Example: CREATE VIEW 14 AS SELECT ngo-details, ngo-id, donation, danation_item. donation. item_no FROM ngo_derails, donation WHERE ngo-details, ngo-id - donation item donation item 5) Create or Replace: create of Replace View. updates on existing view or creates a new one of it

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View's definational without dropping it

does't exist, allowing you to change the



Syntax: CREATE OR REPLACE VIEW-name AS SELECT column! Column 2, ... FROM table-name WIHERE Condition i Example: CREATE OR REPLACE VIEW V4 AS SELECT ngo-details. ngo-id, donation-item. item-name, donation-item-no FROM ngo-details, donation-item WHERE ngo-details. ngo-id = donation_item. user_id; 6) Aggregative Functions: in a view allow you to perform colculation like SUM, AVG, COUNT, MIN and MAX on a set of data within the liew. Syntax: CREATE VIEW VIEW-name AS SELECT AGGREGATIVE FUNCTIONS (COLUMN-name) FROM View-name Example: - CREATE VIEW V6 AS SELECT SUM (HEM-no) Fran FROM V4 9) Insext View: You can insext data into an updatable View Using the INSERT INTO Statement. Syntax: INSERT INTO VIEW-name WHERE Condition; Example: INSERT INTO VS (USEX-id, item_no) VALUES ("MOO4", "30"); 8) Deletion from liew: You can delete date from on updatable view using the DELETE'
Statement, just like deleting from a table.

Syntax: DELETE PROM view-name WHERE Conditioni Example: - DELETE FROM US WHERE USEX_id = "NOO6";



	DROP VIEW Statement Syntax: DROP View-name; Example: DROP VIEW U5;						
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