**Advance Database Management Systems Lab**

**Experiment- 6**

**To understand the concepts of Views**

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**Batch- 2**

CREATE DATABASE LabExperiment6;

USE LabExperiment6;

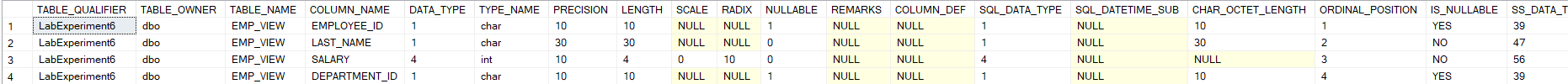
CREATE TABLE EMPLOYEES( Employee\_id VARCHAR(10) NOT NULL PRIMARY KEY, First\_Name VARCHAR(30) NOT NULL, Last\_Name VARCHAR(30) NOT NULL, DOB Date, salary DECIMAL(25,0) NOT NULL, Department\_id VARCHAR(10) );

--1 Create View of name emp\_view and the column would be Employee\_id, Last\_Name, salary and department\_id only.

CREATE VIEW emp\_view(Employee\_id, Last\_Name, salary, Department\_id) AS SELECT Employee\_id, Last\_Name, salary, Department\_id FROM EMPLOYEES;

exec sp\_columns emp\_view

Output:



--2) Insert values into view(remove the NOT NULL constraint and then insert values)

ALTER TABLE EMPLOYEES ALTER COLUMN First\_Name varchar(30) null;

INSERT INTO emp\_view VALUES('EMP000111', 'JAIN', 50000, 'INFORMATIC');

SELECT \* FROM EMPLOYEES;

INSERT INTO emp\_view VALUES ('EMP000112', 'Joyce', 25000, 'ECE');

INSERT INTO emp\_view VALUES ('EMP000113', 'Ramesh',38000, 'ME');

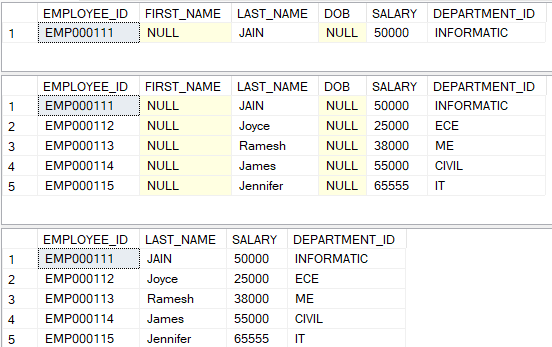
INSERT INTO emp\_view VALUES ('EMP000114', 'James', 55000, 'CIVIL');

INSERT INTO emp\_view VALUES('EMP000115','Jennifer',65555, 'IT');

SELECT \* FROM EMPLOYEES;

SELECT \* FROM emp\_view;

Output:



--3) Modify, delete and drop operations are performed on view.

--UPDATE

update emp\_view set salary=60000 where Employee\_id='EMP000113';

DELETE FROM emp\_view WHERE Last\_Name='Joyce';

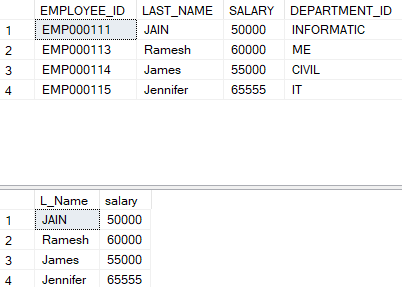
SELECT \* FROM emp\_view;

CREATE VIEW ADBMS(L\_Name, salary) AS SELECT Last\_Name, salary FROM EMPLOYEES;

SELECT \* FROM ADBMS;

DROP VIEW ADBMS;

Output:



---4 Creates a view named salary\_view. The view shows the employees in department and their annual salary.

SELECT \* FROM emp\_view;

INSERT INTO emp\_view VALUES('EMP000116','GUPTA',80000, '20');

CREATE VIEW salary\_viewB1 AS SELECT Employee\_id, Last\_Name, salary FROM EMPLOYEES WHERE Department\_id='20';

SELECT \* FROM salary\_viewB1;

Output:

