# Advance Database Management Systems Lab Experiment- 6

## To understand the concepts of Views

## Aryan Mohan

500092142

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:

	118.1 214.791	TABLE_DIVERS	100,0,7000	CEURSCHIE	DESCRIPTION.	FIFE, NAME	PRIOCEMBA	1474071	STALE	NER	MALIER	REINLEYS	COLLARS, STEP	HIS JAIR THE	SOLDATESME WIR	CHARLESTET, LEMETE	DEDBAL POSTON.	HUNGLISH .	BELDING!
9.	LabSparrendt	the	BHF_HEW:	SHEARS, III	A	obset	100	W	MAL	1645	A. mary	MAG	BEEL .	1	MAL	10	1	108	30
2	Labiliagenments	.thi	DW. YEW	UNIT, NAME		(Det	36	30	Ants	特化	3-	W.S.L.	Mich.	400	MAL	20.	4	NO.	47
3	Lat Proper world	de	MIT, NEW	DAME	4	100	16	4	1000	10.	2	99,815.	HOVE.	1.	BEXE:	1054	1	90	100
4	LebEquiroretti	dec	DAL'HEM	DUNCH THE CO.	4	chai		16	MALL	物机	1	(4.6)	MISS.	A.I.	HOLE	16	h	908	30

--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:

o u	ipui.						
	EMPLOYEE_ID	FIRST_NAME	LAST_NA	ME	DOB	SALARY	DEPARTMENT_ID
1	EMP000111	NULL	JAIN		NULL	50000	INFORMATIC
	EMPLOYEE_ID	FIRST_NAME	LAST_NA	ME	DOB	SALARY	DEPARTMENT_ID
1	EMP000111	NULL	JAIN		NULL	50000	INFORMATIC
2	EMP000112	NULL	Joyce		NULL	25000	ECE
3	EMP000113	NULL	Ramesh		NULL	38000	ME
4	EMP000114	NULL	James		NULL	55000	CIVIL
5	EMP000115	NULL	Jennifer		NULL	65555	IT
	EMPLOYEE_ID	LAST_NAME	SALARY	DEF	ARTMEN	NT_ID	
1	EMP000111	JAIN	50000	INF	ORMATIC	)	
2	EMP000112	Joyce	25000	ECE	Ē		
3	EMP000113	Ramesh	38000	ME			
4	EMP000114	James	55000	CIVI	L		
5	EMP000115	Jennifer	65555	IT			

--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:

	EMPLOYEE_ID	LAST_NAME	SALARY	DEPARTMENT_ID
1	EMP000111	JAIN	50000	INFORMATIC
2	EMP000113	Ramesh	60000	ME
3	EMP000114	James	55000	CIVIL
4	EMP000115	Jennifer	65555	IT

	L_Name	
1	JAIN	50000
2		60000
3	James	55000
4	Jennifer	65555

---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:

	•			
	EMPLOYEE_ID	LAST_NAME	SALARY	DEPARTMENT_ID
1	EMP000111	JAIN	50000	INFORMATIC
2	EMP000113	Ramesh	60000	ME
3	EMP000114	James	55000	CIVIL
4	EMP000115	Jennifer	65555	IT
	Employee_id	Last_Name sa	alary	