Practical 8   **Date: 03/10/2023**

Aim: To Practice View Command.

Code: (Create, Update and Delete)

➢ CREATE TABLE Employee1660(
EmployeeID int NOT NULL PRIMARY KEY,
FirstName varchar(255) NOT NULL,
LastName varchar(255),
Salary int
);

Employee1660

EmployeeID	FirstName	LastName	Salary
1	Shambhavi	Mishra	10000000
2	Jigyasa	Jha	9900000
3	Khushi	Sharma	9700000
4	Saumya	Singh	9500000
5	Pratyaksha	Sharma	9300000

➢ CREATE TABLE Dept1660(
Dept_ID int NOT NULL PRIMARY KEY,
Dept_Name varchar(255) NOT NULL,
EID int
);

Dept1660

Dept_ID	Dept_Name	EmployeeID
32	Finance	1
62	Marketing	5
51	HR	3
27	Software	4
19	Management	2

❖ **Creating a View**
▪ **From a Single Table**

CREATE VIEW details AS
SELECT EmployeeID, FirstName
FROM Employee1660
WHERE Salary >= '9100000';

SELECT *
FROM details;

EmployeeID	FirstName
1	Shambhavi
2	Jigyasa
3	Khushi
4	Saumya
5	Pratyaksha

- **From Multiple Tables**

CREATE VIEW details2 AS
SELECT Employee1660.FirstName, Employee1660.Salary, Dept1660.Dept_Name
FROM Employee1660, Dept1660
WHERE Employee1660.EmployeeID = Dept1660.EmployeeID;

SELECT *
FROM details2;

FirstName	Salary	Dept_Name
Shambhavi	10000000	Finance
Pratyaksha	9300000	Marketing
Khushi	9700000	HR
Saumya	9500000	Software
Jigyasa	9900000	Management

❖ **Updating a View**

CREATE OR REPLACE VIEW details AS
SELECT Employee1660.FirstName, Employee1660.Salary, Dept1660.Dept_Name, Dept1660.Dept_ID
FROM Employee1660, Dept1660
WHERE Employee1660.EmployeeID = Dept1660.EmployeeID;

FirstName	Salary	Dept_Name	Dept_ID
Shambhavi	10000000	Finance	32
Pratyaksha	9300000	Marketing	62
Khushi	9700000	HR	51
Saumya	9500000	Software	27
Jigyasa	9900000	Management	19

❖ **Deleting a View**

DROP VIEW details;

Output
SQL query successfully executed. However, the result set is empty.