Experiment No.4
Apply DML Commands for your specified System.
Date of Performance:07/02/25
Date of Submission:14/02/25

Aim:- Apply DML Commands for your the specified System

Objective: The SQL commands that deals with the manipulation of data present in the database belong to DML or Data Manipulation Language and this includes most of the SQL statements.

Theory:

DML:-DATA MANIPULATION LANGUAGE

Commands used in DML are

Insert Values

Retrieve all attributes

Update table

Delete table

Implementation:

1. **Insert Queries:**

CREATE DATABASE EMPLOYEES;
USE EMPLOYEES;

CREATE TABLE EMPLOYEES (
ID INT PRIMARY KEY,
NAME VARCHAR(70) NOT NULL,
DEPARTMENT VARCHAR(30) NOT NULL,
NOMINEE VARCHAR(50));

INSERT INTO EMPLOYEES (ID, NAME, DEPARTMENT)
VALUES
(1, 'JOHN DOE', 'HR');
INSERT INTO EMPLOYEES
VALUES
(2, "JASON SALDANHA", "IT", "KYLE"),
(3, "NISCA SHARMA", "FINANCE", "KAVYESH"),
(4, "JENNIFER D'SOUZA", "IT", "ALDRIDGE"),
(5, "MISHA K.", "HR","JOE");

```
1 •    SELECT * FROM employees;
```

Id	Name	Department	Nominee
1	John Doe	HR	NULL
2	Jason Saldanha	IT	Kyle
3	Nisca Sharma	Finance	Kavyesh
4	Jennifer D'Souza	IT	Aldridge
5	Misha K.	HR	Joe
NULL	NULL	NULL	NULL

2. Update Query:

UPDATE employees SET Department = 'Finance' WHERE Id = 1;

```
1 •    UPDATE employees SET Department = 'Finance' WHERE Id = 1;
2 •    SELECT * FROM employees;
```

Id	Name	Department	Nominee
1	John Doe	Finance	NULL
2	Jason Saldanha	IT	Kyle
3	Nisca Sharma	Finance	Kavyesh
4	Jennifer D'Souza	IT	Aldridge
5	Misha K.	HR	Joe
NULL	NULL	NULL	NULL

3. Delete Query:-

CSL402: Database Management System Lab
Name of Student: Karan Pawar   Class:SE-2
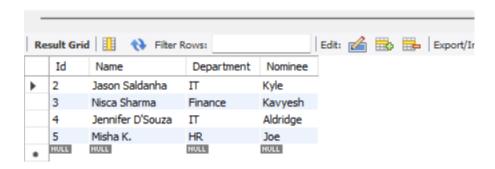Batch: C   Roll No: 61

DELETE FROM employees WHERE id = 1;

```
1 •   DELETE FROM employees WHERE id = 1;
2 •   SELECT * FROM employees;
```

	Id	Name	Department	Nominee
▶	2	Jason Saldanha	IT	Kyle
	3	Nisca Sharma	Finance	Kavyesh
	4	Jennifer D'Souza	IT	Aldridge
	5	Misha K.	HR	Joe
*	NULL	NULL	NULL	NULL

Conclusion: The experiment successfully utilized DML commands to manipulate data within the database, demonstrating the ability to insert, retrieve, update, and delete data effectively, thereby achieving efficient data management in the specified system