Expt No 4

APPLICATION OF DML COMMANDS USING SQL

AIM :Insertion, updation, deletion, and selection of databases using SQL Commands

1. Insert data into the Employee schema created in Expt No 3.

2. UPDATE QUERY

1. Update Salary of all employee by 1000 $
2. Update Address of Ssn 666884444 to "100 Centre, Stafford TX 77477"
3. Update Salary of all female employees by 10%
4. Update Salary of all employees in Departmetn no 5

3. SELECT QUERY

5. Write a query to get the details of a Employee whose Ssn = 666884444.
6. Write a query to get the Address of Employee Ramesh Narayan
7. Write a query to get the list of employees working in Department No = 5
8. Write a query to get the list of Employees working in Research Department.
9. Write a query to get the Manager's Ssn of "Research" department.
10. Write a query to get the Manager's Name of "Research" department

3. DELETE QUERIES:

11. Delete the details of Research department from DEPARTMENT tables
12. Delete the contents of DEPARTMENT Table

4. VIEWS:

13. Create a view Emp(Ssn , Fname, Lname, Sex, Salary,Dno) from EMPLOYEE Table
14. Display the contents of View
15. Update Salary of all employees in Department no 5 by 10%

Expt No 5
IMPLEMENTATION OF BUILT IN FUNCTIONS

AIM: Implementation of built in functions in RDBMS

1. Create a table Store. Fields are order no, code, item, quantity, price, discount, net_price

Store (order_no , code , item , quantity , price, discount , net_price)

order_no	code	item	quantity	price	discount	net_price	expiry_date
1	1	Soap	5	75	2%	72	2024-12-31
2	2	Chilly Powder	2	24	3%	20	2024-11-15
3	3	Atta	2	70	3%	78	2024-10-20
4	4	Pepper	5	524	5%	520	2024-09-30
5	5	Salt	4	40	2%	39	2025-01-31

2. Display the table;

3. MOD Write an SQL query to display the reminder, if the amount of an each item in store is divided by 9**.**

4. POWER Write SQL query to display the amount in store and its square**.**

5. ROUND Program to divide the amount in stock of each item by 7 in store table and display the resut round to the nearest integer**.**

6. LENGTH: Get the length of each product name.

7. CONCAT: Concatenate Product_Name and Product_Code into a single string

8. SUBSTRING: Extract the first three characters of each product name.

9. LIKE:

1. Find products whose names starts with the letter 'S'.
2. Find products whose names ends with the letter 'a'.
3. Find products whose names contain the letter 'S'.

10. SQL Queries for Date Operations

1. **CURRENT_DATE**: Get the current date.

2. **DATE_ADD**: Add 30 days to the expiry date.

3. **DATE_SUB**: Subtract 10 days from the expiry date.

4. **DATEDIFF**: Calculate the number of days between the expiry date and today.

5. **YEAR**: Extract the year from the expiry date.

6. **MONTH**: Extract the month from the expiry date.

7. **DAY**: Extract the day from the expiry date.

8. **DATE_FORMAT**: Format the expiry date in a different format (e.g., 'dd-mm-yyyy').

9. **TIMESTAMPDIFF**: Calculate the number of months until expiry.

10. **DATE_ADD** with YEAR: Add 1 year to the expiry date.