**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**

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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**

1. Write a query to get the details of a Employee whose Ssn = 666884444.
2. Write a query to get the Address of Employee Ramesh Narayan
3. Write a query to get the list of employees working in Department No = 5
4. Write a query to get the list of Employees working in Research Department.
5. Write a query to get the Manager’s Ssn of “Research” department.
6. Write a query to get the Manager’s Name of “Research” department

**3. DELETE QUERIES:**

1. Delete the details of Research department from DEPARTMENT tables

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1. Delete the contents of DEPARTMENT Table

**4. VIEWS:**

1. Create a view Emp(Ssn , Fname, Lname, Sex, Salary,Dno) from EMPLOYEE Table

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1. Display the contents of View
2. Update Salary of all employees in Department no 5 by 10%

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**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.