TASK-3: Using Clauses, operators and functions in queries perform the query processing on database for different revival vesults of queries using DML, DRL operations using aggregate, date, string, indent, functions, set Clauses and operators ans
- wer for this using employee database.

Employee data base:

| 110             | 3                           | 108                     | 107       | 106              | 105               | 104            | 103                    | 103               | <u>ō</u>         | Fub IA          |
|-----------------|-----------------------------|-------------------------|-----------|------------------|-------------------|----------------|------------------------|-------------------|------------------|-----------------|
| Jack Turner     | Isabel clark muketing 65000 | Henry wilson Finance    | Grace Lee | Frank Miller     | Eve Dav is        | David Brown IT | Cavol white Finance    | Bobsmith          | AliceJohnson     | Emp_Td Emp_Name |
| TT              | marketin                    | Finance                 | HR.       | H                | mankeling 60000   | H              | Finance                | 节                 | 14T              | Dept            |
| 68000           | 9 68co                      | 81000                   | 5 9000    | DOOD             | 60000             | 75000          | 80000                  | 55000             | DOOOF            | Balary          |
| 2024-6-19 HOVE. | 2022-1-15                   | 2015 - 9 - 30 Francisco | 2017-4-5  | 2021-8-16 Baston | 9019-2-28 Angeles | 700 10-1-080 P | Selb - 11-23 Fransisco | 9018-3-15 Chicago | 2093 - 5-01 News | DoiningDate     |
| HOVK.           | To Sies                     | o funcisa               | 900       | Baston           | Angeles           | York           | Fransisco              | Chicago           | YOU'K            | C.E.            |

31 Perform DITL Operations;

2) Insert new employee

Date, VALUES (11), sophia Green, Finance, 9200.00, 2024-03-10, Houston.

Dept = IT'.

Delete employees who joined before 2015.

Delete employees whitere Joining Date < 12015-01-01-5

3.2 DRL growing clauses, aperators and Functions

A Retrieve employees with Salary above average salary.

SELECT Emprane, Salary FROM Employee WHERE Salary.

(SELECT (AUG (Salary) FROM Employee);

b) Display employees with their years of service.

SELECT \* FROM Employee where Employee LIKE 1A+1.

SELECT \* FROM Employee WHERE Employme LIKE A-10;

BY Dept, Som (Salary) As Total Salary From Employee Group e) Retrive employees joined in the last 2 years.

DATE (), INTERVAL & YEAR).

SELECT Emp Name, Salary, CASE WHEN Salary >= 8 coco THE N
1 High Salary WHEN Salary BETWEEN 60000 AND 70000 THEN
'Medium Salary' ELSE LOW Salary' END AS Salary Category
FROM Employee;

Employee)

Dembire employees from both tables without deplicates (CNION)

SELECT Emphane FROM Employee UNION SELECT Emphane FROM

NewEmployees

- B) Find employees Common in both tables (INTERSECT)

  SELECT Employee FROM Employee WHERE Emphane IN (SELECT

  Employee);
- Offind employees in Employee but not in New Employee (MINUS/EXCEPT).

SELECT EMPName FROM Employee WHERE EMPName NOT IN CSELECT Emp Name FROM New Employee);

3.4 Using String Functions .

- a) concatenate employee name and city

  SELECT CONCAT (EmpName, '\_', city) As Name coith city.

  FROM Employee;
- b) Find Employees with name length greater than 6.

  SELECT EmpName FROM Employee WHERE LENGTH (Empname)
  >6;

| CSI             |         |
|-----------------|---------|
| VEL TECH - CSI  | 3       |
| EX NO.          | 2       |
| PERFORMANCE (5) | 5       |
|                 | 15      |
| - 11 VOO        | +       |
| DECORD (        | 13      |
| TOTAL (20)      | 15/9/25 |
| Taigh WITH      | 19      |

Result: - Hence, the operations osing clauses, operators and functions in queries is done successfully.