**Task 3:** Using Clauses, Operators and Functions in queries Perform the query processing on databases for different retrieval results of queries using DML, DRL operations using aggregate, date, string, indent functions, set clauses and operators. anwer for this using employee database

| **EmpID** | **EmpName** | **Dept** | **Salary** | **JoiningDate** | **City** |
| --- | --- | --- | --- | --- | --- |
| 101 | Alice Johnson | IT | 70000.00 | 2023-05-01 | New York |
| 102 | Bob Smith | HR | 55000.00 | 2018-03-15 | Chicago |
| 103 | Carol White | Finance | 80000.00 | 2016-11-23 | San Francisco |
| 104 | David Brown | IT | 75000.00 | 2020-07-10 | New York |
| 105 | Eve Davis | Marketing | 60000.00 | 2019-02-28 | Los Angeles |
| 106 | Frank Miller | IT | 72000.00 | 2021-08-16 | Boston |
| 107 | Grace Lee | HR | 52000.00 | 2017-04-05 | Chicago |
| 108 | Henry Wilson | Finance | 81000.00 | 2015-09-30 | San Francisco |
| 109 | Isabel Clark | Marketing | 63000.00 | 2022-01-12 | Los Angeles |
| 110 | Jack Turner | IT | 68000.00 | 2014-06-19 | New York |

**Employee data base**

**3.1 Perform DML Operations**

1. Insert new employee:
2. Update salary of employees in IT department by 10%
3. Delete employees who joined before 2015

**3.2.DRL Queries Using Clauses, Operators and Functions**

a. Retrieve employees with salary above average salary

b. Display employees with their years of service

c. Retrieve employees whose name starts with 'A' (using string function)

d. Retrieve total salary per department

e. Retrieve employees joined in the last 2 years

f. Use CASE operator to classify employees by salary

**3.3 Set Operators Examples (Using two similar tables)**

(Create a new table using name newemployee)

**a. Combine employees from both tables without duplicates**

**b. Find employees common in both tables**

c. Find employees in Employee but not in NewEmployees

**3.4.Using String Functions (Concatenation, Length, etc.)**

a. Concatenate employee name and city

b. Find employees with name length greater than 6