**Day- 6                           SQL Practices session**

1. **Find Employees Earning Above the Department’s Average and Their Manager’s Salary**

List employees who earn more than the average salary of their department. Also, include their manager's name and salary.

1. **Rank Employees Based on Salary Growth Over Time**

For each employee, calculate their salary growth over time using the job\_history table and rank them within each department.

1. **Identify Employees Who Got the Fastest Promotion**

Find employees who received the fastest promotion (shortest time between job changes).

**4. Find the Department with the Highest Salary Variation**

Determine which department has the highest variation in salaries by computing the standard deviation of salaries.

**5. Find the Longest-Serving Employees in Each Department**

List the top 3 longest-serving employees in each department based on the difference between their hire date and the current date.

**6. Find the Employee Who Has Worked in the Most Departments**

Find the employee who has worked in the highest number of different departments over time.

**7. Calculate Running Total of Salaries in Each Department**

Find the cumulative sum of salaries for each department**.**

**8. Assign Row Numbers to Employees Based on Hire Date**

Assign a unique row number to employees based on their hiring date within each department (earliest hired gets rank 1).

**9. Find the Previous Employee’s Salary in Each Department**

Retrieve each employee’s salary along with the previous employee’s salary in the same department.

**10. Find the Next Employee’s Salary in Each Department**

Retrieve each employee’s salary along with the next employee’s salary in the same department.