

## Day 3 database Task

### **Question 1: Using Relational Operators**

Description: Find all employees hired after January 1, 1995, who are currently working in the 'd005' department.

This query uses relational operators (>, =) to filter employees based on hire date and department.

### **Question 2: Using Joins**

Description: Retrieve the names of employees who are currently department managers, along with their department names.

This query uses an INNER JOIN to combine data from employees, dept\_manager, and departments tables, focusing on current managers (to\_date = '9999-01-01').

### **Question 3: Using Inner Queries**

Description: Find employees whose current salary is higher than the average salary of all employees in their current department.

This query uses a subquery (inner query) to calculate the average salary per department and compares it with each employee's current salary.

#### **Question 4: Using DCL SQL**

Description: Create a new user 'hr\_user' with read-only access to the employees and departments tables, and demonstrate granting these privileges.

This query uses Data Control Language (DCL) to manage user permissions