

Day 2 database task

Question 1: Inserting and Retrieving with CASE and WHERE

Question: Insert a new employee into the employees table with an employee number of 500000, first name "John", last name "Doe", birth date "1990-01-01", gender "M", and hire date of today (July 2, 2025). Then, retrieve the full name (concatenated first and last name) and a status indicating whether the employee was hired in 2025 ("New Hire") or earlier ("Veteran") for all employees hired after 2000, ordered by hire date.

Question 2: Updating with SET and GROUP BY with HAVING

Question: Update the salaries table to increase the salary by 10% for all employees who are currently in the "d001" department and have a salary less than 60000. Then, retrieve the average salary per department for departments with more than 10 employees, ordered by average salary in descending order.

Question 3: Deleting with WHERE and Using CAST with GROUP BY

Question: Delete all salary records for employees who are no longer in any department (i.e., their dept_emp record has a

to_date before July 2, 2025). Then, retrieve the number of employees per title, but only for titles held by employees with a birth year after 1960, casting the birth year to a string for display, grouped by title and ordered by the count of employees in descending order.

Question 4: Using VALUES, CASE, and HAVING with ORDER BY

Question: Create a temporary table using VALUES to store two new department assignments for employee 10001 in departments "d008" and "d009" with specific from and to dates. Then, retrieve the total salary paid to employees in each department, but only for departments where the total salary exceeds 1,000,000, and include a column that categorizes the total salary as "High" (above 2,000,000) or "Moderate" (otherwise), ordered by total salary in descending order.