

HomeWork

14/12/2024

Create a database for a simple company system, and design the following three tables:

Tables:

- **Departments**
 - department_id
 - department_name
- **Employees**
 - employee_id
 - first_name
 - last_name
 - department_id
 - hire_date
- **Salaries**
 - salary_id
 - employee_id
 - salary
 - start_date
 - end_date

Insert 20 record in employees table and at least 7 records into each other table to populate the database. Your data should represent a realistic company structure with employees, departments, and salaries.

According to your database

1. Write a query to list all employees along with their department name. Include the employee's first and last name, department name, and hire date.
2. Write a query to list all departments along with their employees. If a department has no employees, still list the department but display null for employee details.
3. Write a query to find the total number of employees in each department and display only departments with more than 1 employee.
4. Write a query to calculate the average salary of employees in each department. Display only those departments where the average salary is greater than \$1000.
5. Write a query to find the count of employees who have a salary greater than \$5000. Group the result by department and display only departments where the count of such employees is greater than 1
6. Write a query to find the highest salary ever paid to an employee in the company.