Internship Task - RDBMS and SQL Task #4



SQL case-based assignment with a scenario and 10 queries for an

HR Management Application.

Scenario

You are managing a database for an HR management system. The system tracks employees, their departments, salaries, and performance reviews. The database includes the following tables:

1. Employees

- o EmployeeID (Primary Key)
- O FirstName
- O LastName
- O Email
- O Phone
- o HireDate
- o DepartmentID (Foreign Key)
- o ManagerID (Foreign Key, referencing EmployeeID)
- o Salary

2. Departments

- o DepartmentID (Primary Key)
- O DepartmentName
- o ManagerID (Foreign Key, referencing EmployeeID)

3. PerformanceReviews

- o ReviewID (Primary Key)
- o EmployeeID (Foreign Key)
- o ReviewDate
- o PerformanceScore (e.g., 'Excellent', 'Good', 'Average', 'Poor')
- O Comments

4. Payroll

- o Payrollid (Primary Key)
- o EmployeeID (Foreign Key)
- O PaymentDate
- O Amount
- o PaymentMethod (e.g., 'Bank Transfer', 'Check')

Assignment Queries

- 1. Retrieve the names and contact details of employees hired after January 1, 2023.
- 2. Find the total payroll amount paid to each department.
- 3. List all employees who have not been assigned a manager.
- 4. Retrieve the highest salary in each department along with the employee's name.
- 5. Find the most recent performance review for each employee.
- 6. Count the number of employees in each department.
- 7. List all employees who have received a performance score of "Excellent." Identify the most frequently used payment method in payroll.
- 8. Retrieve the top 5 highest-paid employees along with their departments.
- 9. Show details of all employees who report directly to a specific manager (e.g., ManagerID = 101).