

Section 1: Window Functions (20 Questions)

Q1: Retrieve the top 3 highest-paid employees in each department.

Q2: Find the cumulative salary of employees ordered by joining date.

Q3: Display previous employee's salary in the same department.

Q4: Show next employee's salary.

Q5: Rank employees by salary across company.

Q6: Find percentile rank of each employee by salary.

Q7: Get difference between current and highest salary in each department.

Q8: Show average salary per department.

Q9: Get running count of employees by joining date.

Q10: Find employee with min and max salary per department.

(...continue up to Q20 with similar real-world window examples)

Section 2: Common Table Expressions (CTEs) (10 Questions)

Q21: Find employees with above-average salaries using CTE.

Q22: Create recursive CTE to display employee hierarchy.



Section 3: Aggregates & Grouping (15 Questions)

Q31: Total and average salary per department.

Q32: Departments with more than 5 employees.



Section 4: Subqueries & Correlated Subqueries (15 Questions)

Q46: Find employees earning above department average.

Q47: Display departments having maximum salary greater than 80000.



Section 5: Date & Time Functions (10 Questions)

Q61: Find employees who joined in last 90 days.

Q62: Calculate experience of employees in years.



Section 6: String Functions (10 Questions)

Q71: Extract first name and last name.

Q72: Standardize emails to lowercase.

Section 7: Constraints, Joins, and Advanced Scenarios (20 Questions)

Q81: Find departments with no employees.

Q82: Enforce salary > 0 constraint.

Q83: Display top 3 highest-paid employees per region (combines joins + window).
