

SQL JOIN Practice Questions (EMP & DEPT Tables)

Easy Level (15 Questions)

1. Display employee names and their department names.
2. List all employees with their job titles and department locations.
3. Find employee name, salary, and department name.
4. Show department name and employee name for all employees in SALES department.
5. Display employees working in DALLAS location.
6. Show all managers' names along with their department names.
7. List employee names and their department numbers using an INNER JOIN.
8. Display employee name, hiredate, and department location.
9. Find all employees in the ACCOUNTING department.
10. Show employees and their department names, ordered by department.
11. List employees and departments where deptno = 20.
12. Display employee names and department names for departments in CHICAGO.
13. Find all employees and the department name where salary > 2000.
14. Show employee name, job, department name, and location.
15. Display department name and employee names, sorted by employee name.

Intermediate Level (15 Questions)

1. List all departments and their employees (use LEFT JOIN).
2. Show all employees and their departments, including departments with no employees (LEFT JOIN).
3. Display all departments and their employees using a RIGHT JOIN.
4. Find all employees who do not belong to any department (hint: LEFT JOIN + NULL check).
5. List all departments with no employees.
6. Display employee name, department name, and location for all employees including those without a department.
7. Show department name and count of employees in each department (use JOIN + GROUP BY).
8. Find employees working in departments located in NEW YORK or CHICAGO.
9. Display department name along with maximum salary in that department.
10. Find employees with salary greater than average salary of their department.
11. Show department names and employees with commission > 0.
12. Find employees who joined after their manager (self join + dept join).
13. Display employee name and manager name with department name (JOIN + self join).
14. Show employees with their department and the name of their manager's department.
15. Find departments where average salary > 2500, list dept name and avg salary.

Advanced Level (15 Questions)

1. Display all employees with their manager names and both of their department names.
2. Find employees whose department location is different from their manager's department location.
3. Show employees who earn more than the average salary of SALES department.
4. Display employees who have the same job as someone in department 20.
5. Show department names with employees earning the highest salary in the company.
6. Find employees who earn more than the highest-paid employee in ACCOUNTING.
7. Display departments where no manager works.
8. Show employees who work in a department where no clerk is present.
9. Find employees whose salary is greater than the salary of all employees in department 30.
10. List employees and departments where the department has at least 3 employees.
11. Display employees whose salary is above department average and department's location is DALLAS.
12. Show departments where total salary of employees exceeds 9000.
13. Display employees whose department is in BOSTON (even if no employees exist, show dept).
14. Find departments with employees hired before 1981.
15. Show employee name, dept name, and another employee from the same department (self join + dept join).