

SQL Practice Questions (Intermediate to Hard Level)

1. Write a query to find the 2nd highest salary from an employees table without using LIMIT or TOP.
2. From a sales table, calculate the running total of sales ordered by sale_date using window functions.
3. Write a query to find customers who have placed more than 3 orders but have never placed an order above \$1000.
4. Using a recursive CTE, generate a hierarchy showing employee levels from a self-referencing employees table.
5. Find the month-over-month percentage growth in revenue from a transactions table.
6. Write a query to identify duplicate records in a table and delete the duplicates while keeping only one copy.
7. From an orders table, find the top 3 customers by total revenue using window ranking functions.
8. Write a query to pivot sales data to show total sales per month as separate columns (Jan, Feb, Mar, etc.).
9. Using subqueries, find products that have never been sold in the sales table.
10. Write a query to calculate the median salary from an employees table.