MySQL Practice Questions - Based on Sample Database Schema

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DML (INSERT, UPDATE, DELETE)
1. Insert a new customer from India into the customers table.
2. Update the creditLimit of all customers from Germany by 10%.
3. Delete all orders placed before '2005-01-01'.
4. Add a new product to the products table with a productLine of 'Classic Cars'.
5. Insert a new payment for an existing customer using a check number.
6. Update the phone number of the office in London.
7. Delete a product that has never been ordered.
8. Insert a new employee under a manager from office code '1'.
WHERE Clause
9. Retrieve all customers who have a credit limit greater than 50,000.
10. List employees working in the 'San Francisco' office.
11. Get all orders with status 'Shipped' and order date in 2004.
12. Find products whose buy price is between 50 and 100.
13. Find all employees who report to employee number 1143.
14. Retrieve customers from cities starting with 'S'.
15. List orders with comments containing the word "urgent".
16. Show all payments made in the year 2003.
GROUP BY and HAVING
17. List total payments made by each customer.
18. Show customers who have made more than 3 payments.
19. Count the number of employees in each office.
20. List product lines with an average product price greater than 100.
21. List customers with total order amount greater than 50,000.
22. Show total quantity ordered for each product code.
23. Display number of orders for each order status.
24. List employees who manage more than 2 other employees.
ORDER BY Clause
25. Display all customers in France ordered by credit limit in descending order.
26. List products ordered by quantity in stock in ascending order.
27. Show all payments sorted by payment date (most recent first).
28. List employees ordered by job title and then by last name.
29. List the top 5 customers by credit limit.
30. Show product lines sorted alphabetically.
31. List the earliest 10 orders.
32. Display products sorted by product line and then by price.
JOINS (INNER, LEFT, RIGHT, SELF)
33. List all orders along with customer names (INNER JOIN).
34. Show employees and their managers using a self join.
35. List all products and their order quantities (join products and orderdetails).
36. Show customers who have not placed any orders (LEFT JOIN).
37. List all offices along with employees, including offices with no employees.
38. Show each order's details including product name, quantity, and price.
39. List all customers and the employees who manage their accounts.
40. Retrieve a list of offices with the city and names of employees working there.
41. List orders that have not yet been shipped.
42. Show all payments and the product lines the customers ordered.
Subqueries
43. Find customers who have made the highest total payment.
44. List employees who work in the same office as 'Diane Murphy'.

45. Show products that have never been ordered.
46. Get the names of customers whose payments are above the average payment amount.
47. List product lines that have more than 5 products.
48. Show customers who have not made any payment.
49. Find the employee(s) with the highest number of customers reporting to them.
50. List products with the highest price in each product line.
51. Show customers who ordered the same product more than once.

Built-in Functions (MySQL)

52. Display the current date and time using a built-in function.
53. Find the total number of customers using COUNT().
54. Show the first 5 characters of each customer's name using SUBSTRING().
55. List orders placed in the last 30 days using NOW() and DATEDIFF().
56. Format the order date in 'dd-mm-yyyy' format using DATE_FORMAT().
57. Display the length of each customer name.
58. Convert all employee last names to lowercase.
59. Show total sales amount for each order using quantityOrdered * priceEach.
60. Extract year and month from payment dates.