

SQL PRACTICAL MASTER TEST (DATA ANALYST - MYSQL)

Below are all 70 practical SQL questions.

- Q1. Return the latest 20 orders placed by customers in Delhi.
- Q2. Fetch the list of customers whose email ends with '@gmail.com'.
- Q3. Show all orders where order_status is NOT 'Cancelled'.
- Q4. Retrieve all products priced above the average product price.
- Q5. Display only customers created in the year 2024.
- Q6. Extract customers whose phone numbers are missing or invalid.
- Q7. List products ordered more than 50 times.
- Q8. Find customers who placed an order in the last 7 days.
- Q9. Show order_id, customer_name, order_date, and amount.
- Q10. Display customer_name, product_name, quantity for all purchased items.
- Q11. List customers who never placed an order.
- Q12. Show all products that have never been purchased.
- Q13. For each order, calculate total number of items purchased.
- Q14. Display the top 10 customers by revenue.
- Q15. For each customer, list their last purchased product name.
- Q16. Show orders where a customer bought more than one category.
- Q17. Customer-wise average order value.
- Q18. Table: product_name, total_quantity_sold, total_revenue.
- Q19. Monthly revenue for the last 12 months.
- Q20. Order cancellation rate.
- Q21. Top 3 revenue-generating cities.
- Q22. Customers whose spending exceeds ₹50,000.
- Q23. Category-wise % contribution to revenue.
- Q24. Daily active customers.

Q25. Category-wise average selling price.

Q26. Fastest-growing category month over month.

Q27. Repeat purchase customers.

Q28. Customers ordering in every month of 2024.

Q29. Products priced above their category average.

Q30. Customers whose total spend > average spend.

Q31. Customers buying product priced above category avg.

Q32. Employees with 2nd highest salary.

Q33. Highest selling product (subquery only).

Q34. Customers ordering more than average customer.

Q35. First purchase amount > avg first purchase amount.

Q36. Products purchased by city with highest revenue.

Q37. CTE monthly sales + rank.

Q38. Rank customers by spend.

Q39. Running total of revenue.

Q40. Avg quantity per product using window.

Q41. Top 5 valuable orders per customer.

Q42. Customers with increasing monthly spend.

Q43. Remove duplicate customer emails.

Q44. Days since employee joining.

Q45. 7-day moving avg of daily sales.

Q46. Best-selling product per category.

Q47. Day-on-day revenue growth.

Q48. Extract month name and year from order_date.

Q49. Orders in last 30 days.

Q50. Customers inactive for 90+ days.

Q51. Customer lifetime days.

Q52. Sales by weekday.

Q53. Year-over-year revenue growth.

Q54. Clean customer names.

Q55. Standardize city names.

Q56. Replace NULL emails.

Q57. Extract email domain.

Q58. Duplicate customers by phone + name.

Q59. Customer segmentation using spend.

Q60. Classify orders by value.

Q61. Discount rules using quantity.

Q62. Active/Dormant/Churn classification.

Q63. Tag categories by performance.

Q64. Profit margin calculation.

Q65. Cohort analysis (6-month retention).

Q66. RFM analysis.

Q67. Funnel conversion analysis.

Q68. Product affinity (basket analysis).

Q69. Inventory forecasting prep.

Q70. Revenue leakage detection.