

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.