

DATASET:

<https://www.kaggle.com/datasets/terencicp/e-commerce-dataset-by-olist-as-an-sqlite-database>

1. Basic SELECT Queries (Foundational)

1. Display all columns from the `customers` table.
 2. Show the first 10 rows from the `orders` table.
 3. Retrieve only the `product_id`, `product_weight_g`, and `product_category_name` from `products`.
 4. List all `seller_id` and their respective `seller_city` from the `sellers` table.
 5. Show all columns from `order_reviews` where `review_score` equals 5.
 6. Display all `payment_type` values from the `order_payments` table.
 7. Select distinct `order_status` values from the `orders` table.
 8. Retrieve all columns from `geolocation` for the city 'São Paulo'.
 9. Show all columns from `leads_qualified`.
 10. Display all `lead_type` and `business_segment` from `leads_closed`.
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2. WHERE Clause Practice

11. Get all products that weigh more than 2000 grams.
12. Find all orders with `order_status = 'delivered'`.
13. Show all sellers located in 'SP' (São Paulo state).
14. Retrieve all orders purchased after '2017-06-01'.
15. Show reviews with `review_score` less than 3.

16. Get all orders where `order_estimated_delivery_date` is before `'2018-01-01'`.
 17. Find all customers who live in `'Rio de Janeiro'`.
 18. Show payments made using `'credit_card'`.
 19. Get all leads from `leads_closed` where `has_company = TRUE`.
 20. Find all `leads_closed` where `declared_monthly_revenue > 10000`.
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3. GROUP BY + Aggregation

21. Count how many customers exist in each `customer_state`.
 22. Find the average `payment_value` for each `payment_type`.
 23. Calculate total `payment_value` collected per `order_id`.
 24. Count total orders by `order_status`.
 25. Find the average `review_score` for each product.
 26. Count how many sellers exist in each `seller_state`.
 27. Calculate the total number of orders per month (group by month).
 28. Find the total freight cost per seller (`SUM(freight_value)`).
 29. Show the average product weight per category.
 30. Find how many reviews each `review_score` value received.
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4. JOIN + GROUPING Practice

31. Join `orders` and `order_payments` to show total payment per order.

32. Join `orders` and `customers` to display each order's customer city.
 33. Join `order_items` and `products` to show the category for each order item.
 34. Join `sellers` and `geolocation` to display each seller's coordinates.
 35. Join `orders` and `order_reviews` to show the average review score per order status.
 36. Join `order_items` and `orders` to find total freight cost per order status.
 37. Join `leads_closed` and `sellers` to show leads per seller city.
 38. Join `order_items` and `products` to show top 5 most frequently sold categories.
 39. Join `leads_closed` and `leads_qualified` to count successful conversions per origin.
 40. Join `orders`, `order_payments`, and `customers` to find the total amount spent by each customer.
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