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# MEMBUAT TABEL BARU UNTUK MENYIMPAN HASIL ANALISIS #
CREATE OR REPLACE TABLE `kimia_farma.kf_analisis_transaksi` AS
SELECT
    t.transaction_id,
    t.date,
    c.branch_id,
    c.branch_name,
    c.kota,
    c.provinsi,
    c.rating AS rating_cabang,      #Menggunakan kolom 'rating' dari tabel
kf_kantor_cabang
    t.customer_name,
    p.product_id,
    p.product_name,
    t.price,
    t.discount_percentage,

    # MENGHITUNG PERSENTASE GROSS LABA BERDASARKAN PRICE #
    CASE
        WHEN t.price <= 50000 THEN 10
        WHEN t.price > 50000 AND t.price <= 100000 THEN 15
        WHEN t.price > 100000 AND t.price <= 300000 THEN 20
        WHEN t.price > 300000 AND t.price <= 500000 THEN 25
        ELSE 30
    END AS persentase_gross_laba,

    # MENGHITUNG NETT_SALES #
    t.price * (1 - t.discount_percentage / 100) AS nett_sales,

    # MENGHITUNG NETT_PROFIT BERDASARKAN NETT_SALES DAN PERSENTASE GROSS LABA #
    (t.price * (1 - t.discount_percentage / 100)) *
    (CASE
        WHEN t.price <= 50000 THEN 0.10
        WHEN t.price > 50000 AND t.price <= 100000 THEN 0.15
        WHEN t.price > 100000 AND t.price <= 300000 THEN 0.20
        WHEN t.price > 300000 AND t.price <= 500000 THEN 0.25
        ELSE 0.30
    END) AS nett_profit,

    t.rating AS rating_transaksi      #Menggunakan kolom rating dari
kf_final_transaction

FROM `kimia_farma.kf_final_transaction` AS t
LEFT JOIN `kimia_farma.kf_kantor_cabang` AS c

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        ON t.branch_id = c.branch_id
LEFT JOIN `kimia_farma.kf_product` AS p
        ON t.product_id = p.product_id;

# MENAMPILKAN TABEL HASIL ANALISIS TRANSAKSI #
SELECT * FROM `kimia_farma.kf_analisis_transaksi`;

## ANALISIS LANJUTAN UNTUK VISUALISASI LOOKER ##

# TOP 10 TOTAL TRANSAKSI CABANG PROVINSI #
SELECT
    provinsi,
    COUNT(transaction_id) AS total_transaksi
FROM `windy-smoke-451208-q2.kimia_farma.kf_analisis_transaksi`
GROUP BY provinsi
ORDER BY total_transaksi DESC
LIMIT 10;

# TOP 10 NETT SALES CABANG PROVINSI #
SELECT
    provinsi,
    SUM(net sales) AS total_net sales
FROM `windy-smoke-451208-q2.kimia_farma.kf_analisis_transaksi`
GROUP BY provinsi
ORDER BY total_net sales DESC
LIMIT 10;

# TOP 5 CABANG DENGAN RATING TERTINGGI, NAMUN RATING TRANSAKSI TERENDAH #
SELECT
    kota,
    provinsi,
    AVG(rating_cabang) AS avg_rating_cabang,
    AVG(rating_transaksi) AS avg_rating_transaksi
FROM `windy-smoke-451208-q2.kimia_farma.kf_analisis_transaksi`
GROUP BY kota, provinsi
ORDER BY avg_rating_cabang DESC, avg_rating_transaksi ASC
LIMIT 5;

# INDONESIA'S GEO MAP UNTUK TOTAL PROFIT MASING-MASING PROVINSI #
SELECT
    provinsi,
    SUM(net profit) AS total_profit
FROM `windy-smoke-451208-q2.kimia_farma.kf_analisis_transaksi`
GROUP BY provinsi

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ORDER BY total_profit DESC;
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