

-- Query  
-- GROUP 4

-- Pertanyaan No. 1: Menentukan live merchant baru di tahun 2020

-- OVERALL

```
SELECT DISTINCT merchant_id, COUNT(trx_status) AS Total_Success
FROM thisyear
WHERE (merchant_id NOT IN
      (SELECT DISTINCT merchant_id
        FROM lastyear)) AND (trx_status = 'Successful')
GROUP BY merchant_id;
```

-- PER KOTA

-- A01 untuk 01CT, A02 untuk 02CT, A03 untuk 03CT

```
SELECT DISTINCT merchant_id, COUNT(trx_status) AS Total_Success_A01
FROM thisyear
WHERE (merchant_id NOT IN
      (SELECT DISTINCT merchant_id
        FROM lastyear)) AND (trx_status = 'Successful') AND merchant_id LIKE 'A01%'
GROUP BY merchant_id;
```

-- PER BULAN

-- bulan pertama

```
SELECT DISTINCT merchant_id, COUNT(trx_status) AS Total_Success_1
FROM thisyear
WHERE (merchant_id NOT IN
      (SELECT DISTINCT merchant_id
        FROM lastyear)) AND (trx_status = 'Successful') AND trx_date >= '2020-01-01' AND trx_date
<= '2020-01-31'
GROUP BY merchant_id;
```

-- Bulan kedua

```
SELECT DISTINCT merchant_id, COUNT(trx_status) AS Total_Success_2
FROM thisyear
WHERE (merchant_id NOT IN
      (SELECT DISTINCT merchant_id
        FROM lastyear)) AND (trx_status = 'Successful') AND trx_date >= '2020-02-01' AND trx_date
<= '2020-02-31'
GROUP BY merchant_id;
```

-- Pertanyaan No. 2: Menentukan merchant tahun lalu yang bertahan

-- Overall

```
SELECT ly.merchant_id, COUNT(*) AS TotalMerchantLastYear
FROM lastyear ly
WHERE ly.merchant_id IN
(
    SELECT ty.merchant_id
    FROM thisyear ty
    WHERE ty.trx_status='Successful'
)
GROUP BY 1
ORDER BY 1;
```

-- Tiap Kota

-- A01 untuk 01CT, A02 untuk 02CT, A03 untuk 03CT

```
SELECT ly.merchant_id, COUNT(*) AS Total_Kota_A
FROM lastyear ly
WHERE
ly.merchant_id LIKE 'A01%'
AND ly.merchant_id IN
(
    SELECT ty.merchant_id
    FROM thisyear ty
    WHERE ty.trx_status='Successful'
)
GROUP BY 1
ORDER BY 1;
```

-- Pertanyaan No. 3: Menentukan merchant yang berpartisipasi dalam promo

-- Overall

```
SELECT SUM(Total/913*100) AS DiscountParticipationRate
FROM
(SELECT DISTINCT COUNT(*) as Total
FROM
(SELECT DISTINCT merchant_id
FROM thisyear
WHERE thisyear.total_revenue > thisyear.total_revenue_after_discount
) AS discount)AS TotalDiscount;
```

-- Tiap kota

-- A01 untuk 01CT, A02 untuk 02CT, A03 untuk 03CT

```
SELECT COUNT(*) AS TotalMerch
FROM
(SELECT DISTINCT merchant_id
FROM thisyear
WHERE merchant_id LIKE 'A01%'
) AS TotalMerchant;
```

-- Discount Participation Rate tiap kota

-- A01 untuk 01CT, A02 untuk 02CT, A03 untuk 03CT

```
SELECT SUM(Total/324*100) AS DiscountParticipationRate
FROM
(SELECT DISTINCT COUNT(*) as Total
FROM
(SELECT DISTINCT merchant_id
FROM thisyear
WHERE thisyear.total_revenue > thisyear.total_revenue_after_discount AND
merchant_id LIKE 'A01%'
) AS discount)AS TotalDiscount;
```