Syahfiar Dhani Anggriawan
Online Test - GLI

Database

Based on the following tables, do answer the following questions!
1. Perform the query to display product_name, category_name, product_price, stock_availability, and provider_type for product containing name ' Sweaty Gold Popok' and providerType 'warehouse'. The product prices should be less than IDR 100,000 with stock_availability less than 10 and eod '2025-07-01'.
2. What is the highest price for the product containing the name "Sweaty White Popok Celana" ?
3. How to find out the product name with stock availability more than 10 using subquery?

Jawaban

1.

```
SELECT
        p.product_name,
        c.category_name,
        p.product_price,
        s.stock_availability,
        Pr.Provider_type_name
FROM tb_master_product p
JOIN tb_master_product_category c ON p.category_id = c.category_Id
JOIN tb_master_product_stock_availability s ON p.sku_seller = s.sku_seller
JOIN tb_product_provider pr ON s.provider_type_id = pr.provider_type_id
WHERE p.product_name LIKE '%Sweaty Gold Popok%'
AND pr.Provider_type_name = 'warehouse'
AND p.product_price < 100000
AND s.stock_availability < 10
AND s.eod = '2025-07-01';
```

2.

```
SELECT MAX (product_price) AS highest_prices
FROM tb_master_product
WHERE product_name LIKE '%Sweaty White Popok Celana%';
```

3.

```
SELECT product_name
FROM tb_master_product
WHERE sku_seller IN (
        SELECT sku_seller
        FROM tb_master_product_stock_availability
        WHERE stock_availability > 10
);
```

Mapper Data

Nos	Field Promo Invoice	head	Kondisi
	End Date	Tgl Akhir/ tgl expired	(case when tgl_expired not null then (case when tgl_expired> tgl_akhir then tgl_akhir else (tgl_expired - 1) end) else tgl_akhir end)

"data": [{
    "company": "ACB",
    "faktur": "T-G21-2077",
    "tgl_awal": "2021-07-16",
    "tgl_akhir": "2021-07-31",
    "tgl_rubah": "2021-07-13",
    "tgl_buat": "2021-07-13",
    "tgl_expired": "2021-07-22"}]

1. Jika sysdate = 2021-07-19 dan json head B tersebut di-publish maka End Date adalah?

Kondisi: case when tgl_expired not null then (case when tgl_expired> tgl_akhir then tgl_akhir
        Else (tgl_expired - 1) end) else tgl_akhir_end)

Jawaban Sesuai Kondisi di atas:
        1. Apakah tgl_expired not null? Ya, tgl expired terisi '2021-07-22'
        2. Apakah tgl_expired > tgl_akhir? Tidak, tgl_expired ('2021-07-22') **lebih kecil dari** tgl_akhir ('2021-07-31')
        3. Maka masuk ke kondisi: tgl_expired - 1
        4. Tgl expired sebelumnya '2021-07-22' dikurangi 1 hari menjadi '2021-07-21'

Hasil end date 2021-07-21

Data Mapping

Nos	Field Promo Invoice	head	Kondisi
1	Min Purchase Amount	Min rp	
2	Min Purchase Qty	Min qty	
3	Max Sales	Max sales	(case When (kelipatan = T) or (max_rp is not null) or (min_qty is null) or (max_qty is null) or (max rp > min_rp) or (max_rp/min_rp > 1) or (min_rp < max rp) then min_rp else max_rp/min_rp end)
4	Max Purchase Qty	Max qty	
5	Multiple Status	kelipatan	

Data JSON
"min_qty": "",
"max_qty": "",
"min_rp": "3000",
"max_rp": "12000",
"kelipatan": "T",

2. Jika dipublish data JSON berikut, berapa nilai Max Sales? Jelaskan jawabannya?

Kondisi:

- When Kelipatan = T
- OR max_rp is not null
- OR min_qty is null
- OR max_qty is null
- OR max_rp > min_rp
- OR max_rp / min_rp > 1
- OR min_rp < max_rp

- THEN min_rp
- ELSE max_rp/min_rp

Jawaban sesuai kondisi di atas:

1. Apakah data JSON di atas merupakan kelipatan = T? Ya, data JSON di atas kelipatan = T
2. Karena dari awal sudah memenuhi kondisi kelipatan = T maka automatis akan menjalankan bagian THEN yaitu **nilai Max Sales = min_rp**

==Hasil max sales adalah 3000==

Nos	Field Promo Invoice	head	Kondisi
1	Min Purchase Amount	Min rp	
2	Min Purchase Qty	Min qty	
3	Max Sales	Max sales	(case When (status= T) then min_rp else max_rp/min_rp end)
4	Max Purchase Qty	Max qty	
5	Multiple Status	kelipatan	

3. Jika ingin membuat Max Sales menjadi 15000, settinglah max_rp dan status (T/F) yang harus diisi? Data JSON yang harus dipublish dengan param data json yang tidak boleh diubah adalah min_rp = 3000

   Data JSON

   "min_rp": "3000", "max_rp": "???", "kelipatan": "???",

Kondisi : case when status = T maka akan menampilkan min_rp. Else max_rp/min_rp

Jawaban sesuai dengan kondisi di atas:

1. Maka kita tidak boleh mengisi kelipatan = T, karena nanti akan menampilkan nilai min_rp. Tidak sesuai dengan keinginan soal
2. Masuk ke kondisi else dimana max_rp/min_rp = 15000
3. Karena nilai min_rp sudah diketahui sebesar 3000 maka kita hanya perlu mencari nilai max_rp nya saja dengan cara persamaan linier.
4. Max_rp / 3000 = 15000
5. Max_rp = 15000 x 3000
6. Max_rp = 45000000 (45 juta)

==Hasil, maka request data JSON yang diperlukan agar Max sales nya 15.000 adalah dengan mengisi:==

- **Max_rp = 45000000**
- **Kelipatan = F**