Nama : Kharisma Novi Chandramukti

Kelas/Batch: Data Engineering 4

Hand on recording DBT Day 2

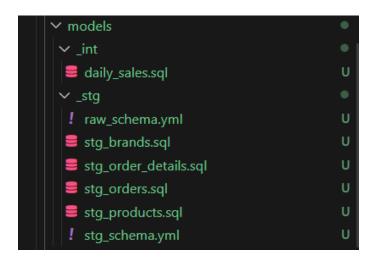
- Menjalankan docker compose

```
(.venv) rismanovic@LAPTOP-U6LIFQG1:~/unit2/dbt-demo$ docker compose up -d
  RN[0000] /home/rismanovic/unit2/dbt-demo/docker-compose.yml: `version` is obsolete
 ✓ Network dbt-demo_postgres-network Created
 ✓ Network dbt-demo_default

√ Container dbt-demo_master

 ✓ Container dbt-demo_manager
✓ Container dbt-demo-worker-1
  □ ✓ S <u>dbt-demo</u>
                                                                                 Running (3/3)
                                                                                                                       8.38% 5 minutes ago
                     worker-1
  Running
                                                                                                                       0.22% 5 minutes ago
                    44055b33c604 🗇
  citusdata/membership-manager:0.3.0 Running
                                                                                                                       0.9% 5 minutes ago
                    65315764afbc 🫅
                    dbt-demo_master
  7.26% 5 minutes ago
                                                                                 Runnina
                    02f5d3449e6c 🗇
```

- Membuat setup configuration model pada my_project dengan model _stg dan _int



Masing – masing stg memiliki definisi yang sesuai dengan tabel public pada postgresql, sebagai berikut :

o stg_brands.sql

o stg_order_details.sql

```
dbt-demo > my_project > models > _stg > \exists stg_order_details.sql

1     SELECT
2     order_detail_id:: int as order_detail_id
3     , order_id::int as order_id
4     , product_id:: int as product_id
5     , quantity as order_qty
6     , price as unit_sales
7     from {{ source('store', 'order_details')}}
```

o stg_orders.sql

```
dbt-demo > my_project > models > _stg > stg_orders.sql

1     SELECT
2     order_id:: int as order_id
3     , order_date:: timestamp as order_date
4     , customer_phone
5     from {{source ('store', 'orders')}}
```

o stg_products.sql

```
dbt-demo > my_project > models > _stg > \bigsquare stg_products.sql

1     SELECT
2     product_id:: int as product_id
3     , brand_id:: int as brand_id
4     , name as product_name
5     , price as product_price
6     from {{ source ('store', 'products')}}
```

Setelah itu membuat stagging pada model yang sudah dibuat :

```
dbt-demo > my_project > models > _stg > ! stg_schema.yml
      version: 2
        - name: stg brands
         description: "brands stagging"
       - name: stg products
        description: "products stagging"
            - not_null
- unique
          - name: brand_id
       - name: stg_orders
        description: "orders stagging"
          - name: order id
               - not null
        - name: stg order details
        description: "order details stagging"
           - name: order detail id
               - not null
```

Dengan hasil sebagai berikut:

```
● (.venv) rismanovic@LAPTOP-UGLIFQGI:-/unit2/dbt-demo/my_project$ dbt test

@3:04:51 Running with dbt=1.7.0

@3:04:51 Found 5 models, 26 tests, 4 sources, 0 exposures, 0 metrics, 414 macros, 0 groups, 0 semantic models

@3:04:51 Found 5 models, 26 tests, 4 sources, 0 exposures, 0 metrics, 414 macros, 0 groups, 0 semantic models

@3:04:51 Concurrency: 1 threads (target='dev')

@3:04:51 10 f2 6 START test not null_stg_brands_brand_id [RUN]

@3:04:51 1 of 26 PASS not null_stg_brands_brand_id [PASS in 0.05s]

@3:04:51 2 of 26 PASS not null_stg_order_details_order_detail_id [RUN]

@3:04:51 2 of 26 PASS not null_stg_order_sorder_id [RUN]

@3:04:51 3 of 26 PASS not null_stg_order_sorder_id [RUN]

@3:04:51 3 of 26 PASS not null_stg_order_sorder_id [RUN]

@3:04:51 4 of 26 PASS not null_stg_order_sorder_id [RUN]

@3:04:51 4 of 26 PASS not null_stg_products_brand_id [RUN]

@3:04:51 4 of 26 PASS not null_stg_products_brand_id [RUN]

@3:04:51 5 of 26 START test not null_stg_products_brand_id [RUN]

@3:04:51 5 of 26 START test not_null_stg_products_brand_id [RUN]

@3:04:51 6 of 26 START test source_not_null_store_brands_brand_id [RUN]

@3:04:51 6 of 26 START test source_not_null_store_brands_brand_id [RUN]

@3:04:51 7 of 26 START test source_not_null_store_brands_brand_id [RUN]

@3:04:51 6 of 26 PASS source_not_null_store_brands_brand_id [RUN]

@3:04:51 7 of 26 START test source_not_null_store_brands_brand_id [RUN]

@3:04:51 7 of 26 START test source_not_null_store_brands_brand_id [RUN]

@3:04:51 8 of 26 START test source_not_null_store_brands_brand_id [RUN]

@3:04:51 8 of 26 START test source_not_null_store_brands_brand_id [RUN]

@3:04:51 8 of 26 START test source_not_null_store_brands_brand_id [RUN]

@3:04:51 9 of 26 PASS source_not_null_store_order_details_order_detail_id [RUN]

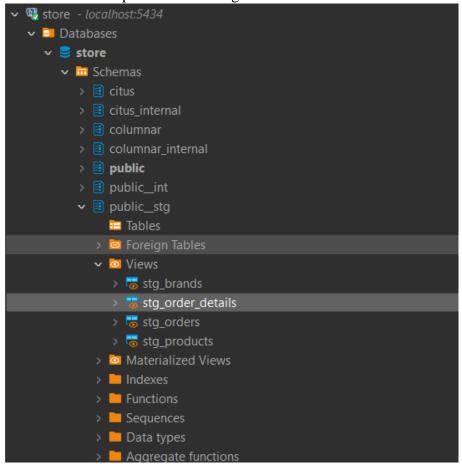
@3:04:51 9 of 26 START test source_not_null_store_order_details_order_detail_id [RUN]

@3:04:51 9 of 26 PASS source_not_null_store_order_details_price [RUN]

@3:04:51 9 of 26 PASS source_not_null_store_order_details_quantity [RUN]
```

```
in 0.03s]
in 0.03s]
                                                                                                         [RUN]
03:04:52 13 of 26 PASS source not null store products name
03:04:52 14 of 26 PASS source not null store products price
03:04:52 14 of 26 PASS source not null store products price
03:04:52 15 of 26 START test source not null store products price
03:04:52 15 of 26 START test source not null store products products.
                                                                                                              in 0.03s]
                                                                                                        [RUN]
                                                                                                              in 0.03s]
                                                                                                        [RUN]
in 0.03s]
03:04:52 21 of 26 START test source_unique_store_orders_order_id
03:04:52 21 of 26 PASS source_unique_store_orders_order_id
03:04:52 22 of 26 START test source_unique_store_products_product_id
03:04:52 22 of 26 PASS source_unique_store_products_product_id
                                                                                                              in 0.03s]
03:04:52 23 of 26 START test unique stg brands brand id
03:04:52 23 of 26 START test unique stg brands brand id
03:04:52 24 of 26 PASS unique_stg_brands_brand id
03:04:52 24 of 26 PASS unique_stg_order_details_order_detail_id
03:04:52 24 of 26 PASS unique_stg_order_details_order_detail_id
03:04:52 25 of 26 START test unique_stg_order_details_order_detail_id
                                                                                                              in 0.03sl
                                                                                                              in 0.03sl
in 0.03sl
                                                                                                        [PASS [RUN]
                                                                                                        [PASS in 0.03s]
03:04:52 26 of 26 PASS unique_stg_products_product_id .....
03:04:52 Finished running 26 tests in 0 hours 0 minutes and 1.06 seconds (1.06s).
03:04:52 Completed successfully
03:04:52 Done. PASS=26 WARN=0 ERROR=0 SKIP=0 TOTAL=26
```

Pada dbeaver didapatkan hasil sebagai berikut :



Dengan data yang sama persis dengan tabel public namun berbeda nama tabelnya saja, pada tabel public_stg tabel yang dihasilkan terdapat pada views dikarenakan pada saat setup configuration materialized diatur ke view

