

## Task 4

- Membuat Schema & Query pada stg\_order\_details

```
version: 2

models:
  - name: stg_order_details
    description: "Staging model for order_details"
    tests:
      - dbt_utils.unique_combination_of_columns:
          combination_of_columns:
            - order_date
            - product_name
            - brand_name
```

```
SELECT
  orders.order_date AS order_date,
  order_details.quantity AS quantity,
  order_details.price AS price,
  brands.name AS brand_name,
  products.name AS product_name
FROM
  {{ source('store', 'orders') }} AS orders
LEFT JOIN
  {{source('store', 'order_details')}} AS order_details
ON
  orders.order_id = order_details.order_id
LEFT JOIN
  {{source('store', 'products')}} AS products
ON
  order_details.product_id = products.product_id
LEFT JOIN
  {{source('store', 'brands')}} AS brands
ON
  products.brand_id = brands.brand_id
```

- Membuat Schema & Query pada fct\_per\_brand\_daily\_sales

```
version: 2

models:
  - name: fct_per_brand_daily_sales
    description: "Daily Sales for every brand"
    tests:
      - dbt_utils.unique_combination_of_columns:
          combination_of_columns:
            - order_date
            - brand_name

SELECT
  brand_name,
  order_date,
  sum(quantity) AS total_quantity,
  sum(price) AS total_revenue
FROM {{ref('stg_order_details')}}
GROUP BY 1,2
```

- Install dbt deps

```
$ dbt deps
02:52:59 Running with dbt=1.7.2
02:53:01 Updating lock file in file path: C:\Users\U
02:53:01 Installing dbt-labs/dbt_utils
02:53:13 Installed from version 1.1.1
02:53:13 Up to date!
(.venv)
```

- dbt test

```
06:28:37
06:28:37 Finished running 22 tests in 0 hours 0 minutes and 6.95 seconds (6.95s).
06:28:37 Completed successfully
06:28:37
06:28:37 Done. PASS=22 WARN=0 ERROR=0 SKIP=0 TOTAL=22
(.venv)
```

- Tabel Hasil

\*<try-dbt> Script-23    \*<try-dbt> Script-24 ×

```
select * from stg_order_details sod;
```

stg\_order\_details 1 ×

select \* from stg\_order\_details Enter a SQL expression to filter results (use Ctrl+Space)

	order_date	quantity	price	product_name	brand_name
67	2023-11-02 07:56:45.507	4	2,799.96	Galaxy S21	Samsung
68	2023-11-02 23:47:09.692	5	3,499.95	Galaxy S21	Samsung
69	2023-11-02 23:38:54.484	1	799.99	iPhone 13	Apple
70	2023-11-02 01:19:12.246	1	499.99	PlayStation 5	Sony
71	2023-11-02 10:25:10.338	2	1,399.98	Galaxy S21	Samsung
72	2023-11-02 00:16:31.626	3	3,899.97	MacBook Pro	Apple
73	2023-11-02 04:22:47.083	6	2,999.94	PlayStation 5	Sony
74	2023-11-02 12:23:52.117	9	6,299.91	Galaxy S21	Samsung
75	2023-11-02 09:42:38.906	1	1,299.99	MacBook Pro	Apple
76	2023-11-02 05:06:48.043	9	6,299.91	Galaxy S21	Samsung

```
select * from fct_per_brand_daily_sales fpbds;
```

fct\_per\_brand\_daily\_sales 1 ×

select \* from fct\_per\_brand Enter a SQL expression to filter results (use Ctrl+Space)

	brand_name	order_date	total_quantity	total_revenue
1	Apple	2023-11-11 21:01:23.154	6	4,799.94
2	Apple	2023-11-03 21:57:57.449	1	799.99
3	Sony	2023-11-08 03:54:45.623	6	2,999.94
4	Samsung	2023-11-03 03:50:07.371	5	3,499.95
5	Apple	2023-11-05 01:12:11.862	5	3,999.95
6	Sony	2023-11-10 20:22:04.166	4	1,999.96
7	Apple	2023-11-09 00:46:47.598	8	6,399.92
8	Apple	2023-11-10 11:17:45.858	9	11,699.91
9	Apple	2023-11-06 19:47:10.966	8	10,399.92
10	Sony	2023-11-03 11:14:41.251	9	4,499.91
11	Apple	2023-11-08 07:30:45.102	6	4,799.94