

## Task 5

- Membuat normalized\_customer\_phone menggunakan macro

```
{% macro normalize_phone_number(column_name) %}  
  ltrim({{ column_name }}, '+')  
{% endmacro %}
```

- Buat file stg\_order\_details\_normalized

```
with details as (  
  select  
    orders.order_date,  
    order_details.quantity,  
    products.name as product_name,  
    brand.name as brand_name,  
    order_details.price,  
    customer_phone,  
    {{ normalize_phone_number('customer_phone') }} AS normalized_phone  
  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 brand  
    on  
      products.brand_id = brand.brand_id  
)  
select  
  *,  
  case  
    when normalized_phone like '62%' then 'Indonesia'  
    when normalized_phone like '91%' then 'India'  
  end as country  
from details
```

- Menambahkan Model Schema

```
version: 2

models:
  - name: stg_order_details
    description: "staging model for order details"
    columns:
      - name: country
        tests:
          - not_null
    tests:
      - dbt_utils.unique_combination_of_columns:
          combination_of_columns:
            - order_date
            - brand_name
            - product_name

  - name: stg_order_details_normalized
    description: "normalized phone number"
    columns:
      - name: normalized_phone
        tests:
          - not_null
```

- Hasil

* from public.stg.stg_order_details   Enter a SQL expression to filter results (use Ctrl+Space)								
order_date	quantity	product_name	brand_name	price	customer_phone	normalized_phone	country	
2023-10-30 07:41:36.478	2	PlayStation 5	Sony	999.98	914689265653	914689265653	India	
2023-10-30 20:01:27.777	4	MacBook Pro	Apple	5,199.96	914689265653	914689265653	India	
2023-10-30 22:14:30.412	1	iPhone 13	Apple	799.99	914689265653	914689265653	India	
2023-10-30 22:13:36.611	6	iPhone 13	Apple	4,799.94	914689265653	914689265653	India	
2023-10-30 19:38:55.429	1	PlayStation 5	Sony	499.99	914689265653	914689265653	India	
2023-10-30 00:11:56.709	4	PlayStation 5	Sony	1,999.96	914689265653	914689265653	India	
2023-10-30 10:40:12.281	10	iPhone 13	Apple	7,999.9	914689265653	914689265653	India	
2023-10-31 03:30:16.983	6	iPhone 13	Apple	4,799.94	+629208795889	629208795889	Indonesia	
2023-10-31 11:45:57.725	1	Galaxy S21	Samsung	699.99	+629208795889	629208795889	Indonesia	
2023-10-31 17:31:30.973	7	MacBook Pro	Apple	9,099.93	+629208795889	629208795889	Indonesia	

- Membuat file fct\_per\_country\_daily\_sales

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

- Tambahkan Model Schema

```
version: 2

models:
  - name: fct_per_brand_daily_sales
    description: "daily sales of every brand"
    tests:
      - dbt_utils.unique_combination_of_columns:
          combination_of_columns:
            - order_date
            - brand_name

  - name: fct_per_country_daily_sales
    description: "daily sales per country"
    tests:
      - not_null
```

- Hasil

dbt - from fct\_per\_country\_daily\_sales [Enter a SQL expression to filter results (use Ctrl+Spa

	country	order_date	total_quantity	total_revenue
1	India	2023-10-31 00:23:49.184	4	1,999.96
2	India	2023-10-31 00:29:26.746	2	1,599.98
3	India	2023-10-31 00:34:44.847	6	2,999.94
4	India	2023-10-31 01:10:18.765	1	1,299.99
5	India	2023-10-31 04:15:31.426	9	6,299.91
6	India	2023-10-31 06:54:28.821	7	3,499.93
7	India	2023-10-31 12:11:40.041	8	6,399.92
8	India	2023-10-31 14:59:58.074	7	9,099.93
9	India	2023-10-31 16:42:31.787	5	2,499.95
10	India	2023-10-31 17:29:20.265	1	699.99
11	India	2023-10-31 17:59:33.647	10	4,099.90