1. Update stg_order_details, add the following columns:
   - customer_phone
   - normalized_customer_phone (use macro to normalize the phone number)
   - country (based on normalized_customer_phone)
     - If the phone number is started with 62, the country should be Indonesia
     - If the phone number is started with 91, the country should be India

my_project > models > store > stg_order_details.sql

```sql
select
    orders.order_date
    , details.quantity
    , details.price
    , {{normalize_phone_number('orders.customer_phone')}} as customer_phone
    , {{get_country('orders.customer_phone')}} as country
    , brands.name as brand_name
    , products.name as product_name
from {{source('store','order_details')}} as details
left join {{source('store', 'products')}} as products
    on details.product_id = products.product_id
left join {{source('store', 'brands')}} as brands
    on brands.brand_id = products.brand_id
left join {{source('store', 'orders')}} as orders
    on orders.order_id = details.order_id
```

Kita mengupdate stg_order_details dengan menambahkan customer_phone dan country, cutomer_phone dan country ditambahkan dengan menggunakan macro, macro membantu kita untuk membuat logic yang dapat digunakan berulang-ulang

my_project > macros > normalize_phone_number.sql

```sql
{% macro normalize_phone_number(column_name) %}
    case
        when left({{column_name}}, 1) = '+' then right({{column_name}}, length({{column_name}}) - 1)
        else {{column_name}}
    end
{% endmacro %}
```

Query diatas adalah macro dari phone_number, macro tersebut berfungsi untuk menghapus tanda + dari phone_number

my_project > macros > get_country.sql

```
{% macro get_country(column_name) %}
    CASE
        WHEN {{column_name}} like '%62%' THEN 'Indonesia'
        WHEN {{column_name}} like '%91%' THEN 'India'
    END
{% endmacro %}

```

Query diatas adalah macro dari country, macro diatas berdasarkan dari kolom phone number, jika phone number yang diawali angka 62 maka country nya adalah indonesia dan jika phone number diawali dengan angka 91 maka country adalah india

2. Base on stg_order_details, make another model named fct_per_country_daily_sales containing per country daily sales:
   - country
   - order_date
   - total_quantity
   - total_revenue

my_project > models > store_analytics > int_per_country_daily_sales.sql

```
select
    details.country
    , details.order_date
    , sum(details.quantity) as total_quantity
    , sum(details.price) as total_revenue
from {{ref('stg_order_details')}} as details
group by
    details.country
    , details.order_date
```

Sesuai dengan instruksi mentor pada task sebelumnya, saya terlebih dahulu membuat model int_per_country_daily_sales

my_project > models > mart > fct_per_country_daily_sales.sql

```
select * from {{ref('int_per_country_daily_sales')}}
```

Kemudian saya baru membuat model fct_per_country_daily_sales

int_per_country_daily_sales

Enter a SQL expression to filter results (use Ctrl+Space)

Grid | Text | Record

	country	order_date	total_quantity	total_revenue
1	India	2024-04-23 21:43:27.037	3	3,899.97
2	Indonesia	2024-04-15 06:12:20.013	4	2,799.96
3	Indonesia	2024-04-28 23:36:56.072	6	4,199.94
4	India	2024-04-24 01:46:08.825	2	2,599.98
5	India	2024-04-17 03:26:50.071	8	3,999.92
6	India	2024-04-24 01:27:41.879	7	5,599.93
7	India	2024-04-19 22:13:44.933	5	2,499.95
8	Indonesia	2024-04-15 01:27:21.758	2	1,599.98
9	India	2024-04-16 23:40:03.221	7	5,599.93
10	Indonesia	2024-04-14 01:14:23.847	1	699.99
11	Indonesia	2024-04-28 12:27:59.604	7	4,899.93
12	India	2024-04-24 21:01:03.864	4	1,999.96
13	India	2024-04-17 07:23:07.320	5	3,999.95
14	India	2024-04-23 21:28:51.431	4	3,199.96
15	Indonesia	2024-04-26 10:20:00.297	4	1,999.96
16	Indonesia	2024-04-14 09:09:52.173	6	2,999.94
17	Indonesia	2024-04-26 12:50:57.248	3	2,399.97
18	India	2024-04-19 20:40:36.893	5	2,499.95
19	India	2024-04-19 16:05:48.034	1	1,299.99
20	Indonesia	2024-04-28 03:02:13.940	1	699.99
21	Indonesia	2024-04-14 16:40:55.459	8	6,399.92
22	India	2024-04-17 10:34:48.404	10	4,999.9
23	Indonesia	2024-04-28 17:57:40.654	5	3,499.95
24	India	2024-04-18 23:30:46.441	2	999.98
25	Indonesia	2024-04-14 16:59:33.734	9	6,299.91
26	Indonesia	2024-04-27 20:01:03.335	7	5,599.93
27	India	2024-04-23 18:36:04.189	6	2,999.94
28	Indonesia	2024-04-14 21:07:55.105	2	999.98
29	Indonesia	2024-04-14 13:53:20.826	6	4,799.94
30	Indonesia	2024-04-26 15:35:33.300	7	3,499.93
31	India	2024-04-23 23:49:48.469	1	499.99

Berikut adalah hasil dari model fct_per_country_daily_sales di datawarehouse kita