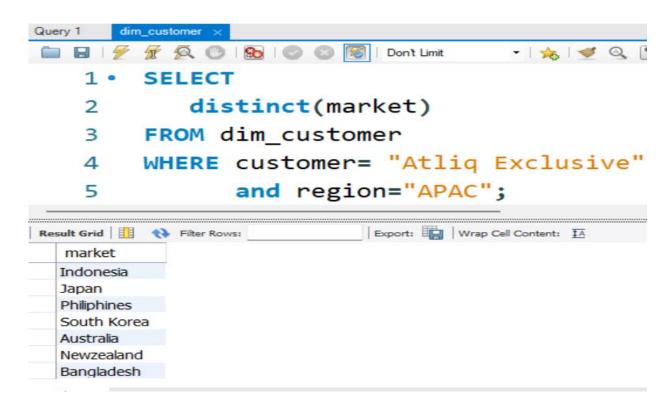
## **Consumer good Insights**

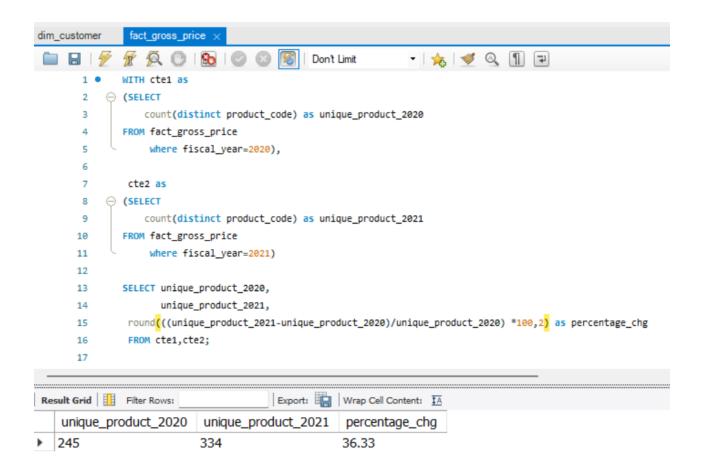
## Requests:

1. Provide the list of markets in which customer <u>"Atliq Exclusive"</u> operates its business in the <u>APAC</u> region.

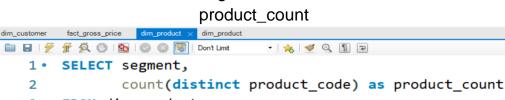


2. What is the percentage of unique product increase in 2021 vs. 2020? The final output contains these fields,

unique\_products\_2020 unique\_products\_2021 percentage\_chg



 Provide a report with all the unique product counts for each <u>segment</u> and sort them in descending order of product counts. The final output contains 2 fields,



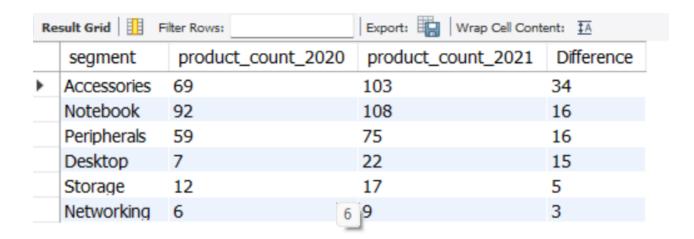
segment

```
FROM dim product
   3
        GROUP BY segment
   4
        ORDER BY product_count desc;
   5
Export: Wrap Cell Content: IA
 segment
          product_count
 Notebook
          129
 Accessories 116
 Peripherals
          84
 Desktop 32
 Storage
          27
 Networking 9
```

4. Follow-up: Which segment had the most increase in unique products in 2021 vs 2020? The final output contains these fields,

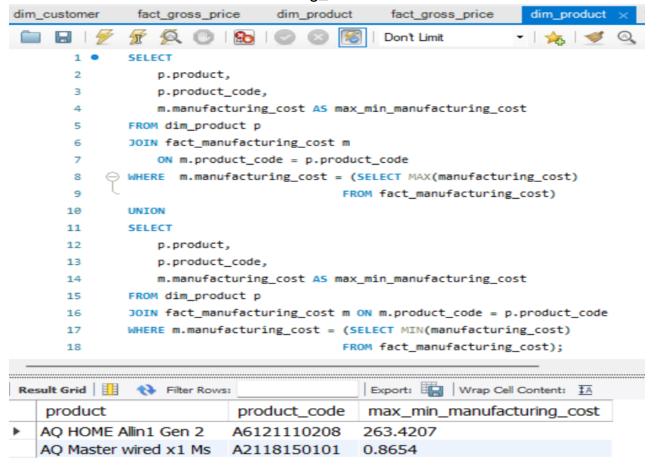
```
segment
product_count_2020
product_count_2021
difference
```

```
with ctel as (
SELECT
     segment,
     count(distinct p.product_code) as product count 2020
FROM dim product p
JOIN fact gross price g
     on p.product code=g.product code
      where fiscal year=2020
GROUP BY segment),
cte2 as
(SELECT
      segment,
      count (distinct p.product code) as product count 2021
FROM dim product p
JOIN fact gross price g
    on p.product code=q.product code
    where fiscal year=2021
GROUP BY segment)
SELECT
  ctel.segment, product_count_2020,
   product count 2021,
   (product count 2021-product count 2020) as Difference
FROM ctel
JOIN cte2
    on ctel.segment=cte2.segment
ORDER BY Difference desc;
```



5. Get the products that have the highest and lowest manufacturing costs. The final output should contain these fields,

product\_code product manufacturing\_cost



6. Generate a report which contains the top 5 customers who received an average high pre\_invoice\_discount\_pct for the <u>fiscal year 2021</u> and in the <u>Indian</u> market. The final output contains these fields,

customer\_code customer average\_discount\_percentage

```
F 👰 🕛 | 😘
                                       Don't Limit
                                                     - | 🛵 | 🥩 🔍 🗐 🗊
     1
           SELECT
     2
                p.customer code,
     3
                c.customer,
     4
           round(avg(p.pre_invoice_discount_pct), 3) as avg_discount_pct
     5
           FROM dim_customer c
     6
           JOIN fact pre invoice deductions p
     7
                 on p.customer_code=c.customer_code
     8
           WHERE p.fiscal year=2021
     9
                  and c.market="india"
    10
           GROUP BY p.customer code,c.customer
    11
           ORDER BY avg_discount_pct desc
    12
                    limit 5;
Result Grid | Filter Rows:
                                      Export: Wrap Cell Content: IA
  customer_code
                  customer
                            avg_discount_pct
  90002009
                 Flipkart
                           0.308
  90002006
                 Viveks
                           0.304
  90002002
                 Croma
                           0.303
  90002003
                           0.303
                 Ezone
  90002016
                           0.293
                 Amazon
```

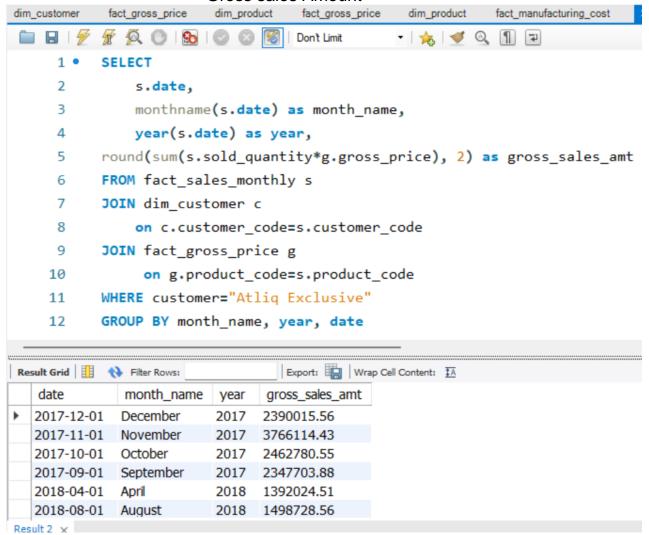
7. Get the complete report of the Gross sales amount for the customer "Atliq Exclusive" for each month. This analysis helps to get an idea of low and high-performing months and take strategic decisions.

The final report contains these columns:

Month

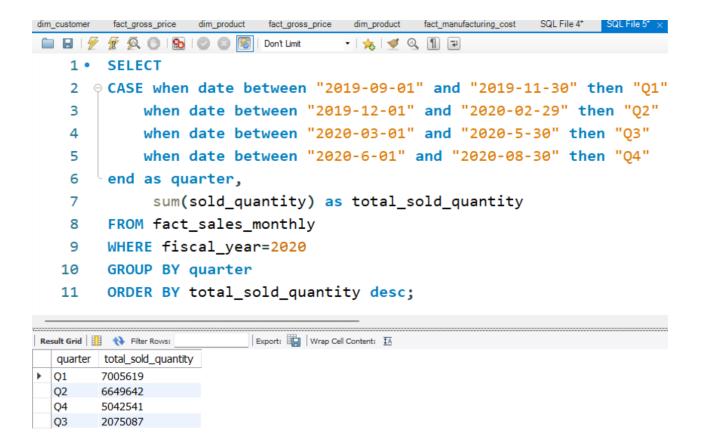
Year

**Gross sales Amount** 

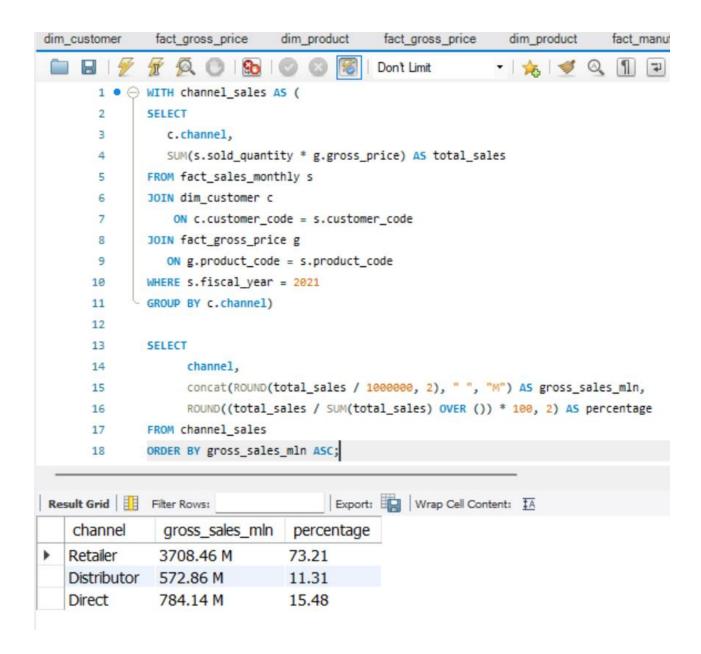


8. In which quarter of 2020, got the maximum total\_sold\_quantity? The final output contains these fields sorted by the total\_sold\_quantity,

Quarter total\_sold\_quantity



9. Which channel helped to bring more gross sales in the fiscal year 2021 and the percentage of contribution? The final output contains these fields, channel gross\_sales\_mln percentage



10.Get the Top 3 products in each division that have a high total\_sold\_quantity in the fiscal\_year 2021? The final output contains these fields,

division product\_code

product total\_sold\_quantity rank order

