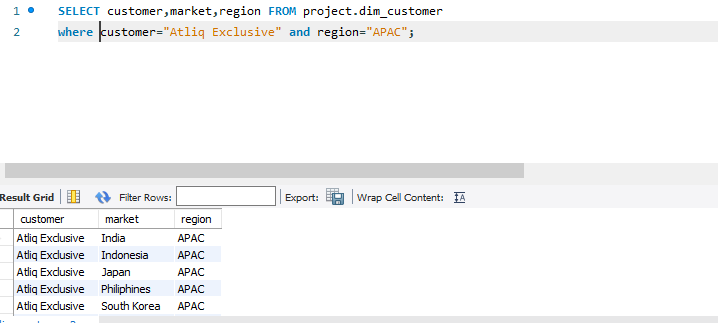
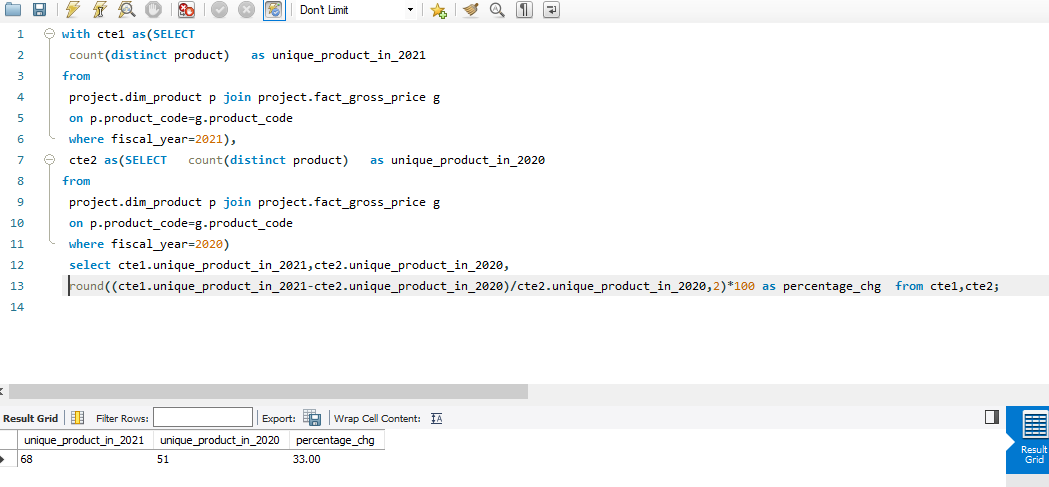
**Solutions:**

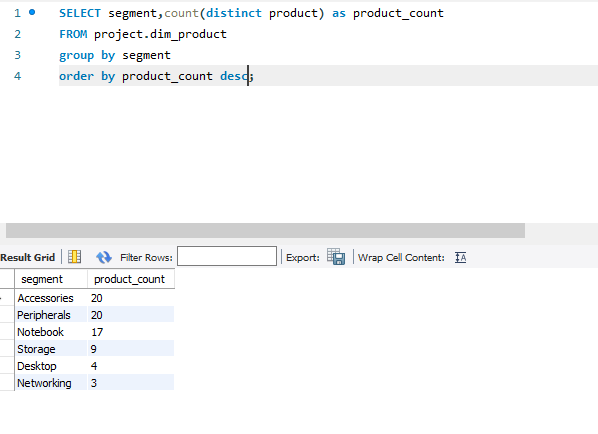
**Problem1**. Provide the list of markets in which customer "Atliq Exclusive" operates its business in the APAC region.

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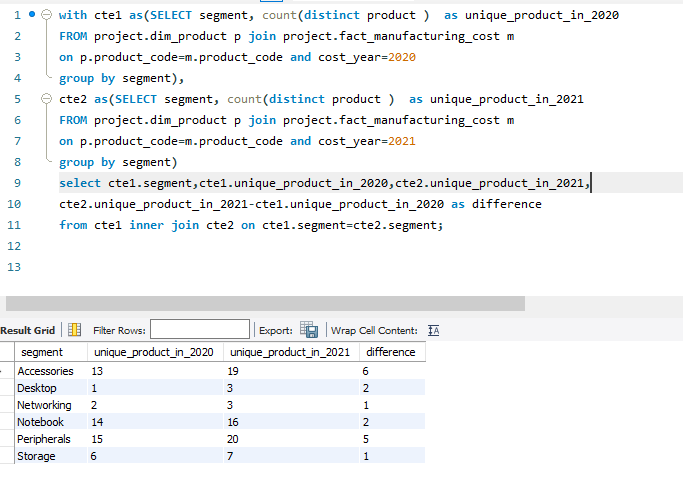
**Problem2**. What is the percentage of unique product increase in 2021 vs. 2020? The final output contains these fields, unique\_products\_2020 unique\_products\_2021 percentage\_chg.



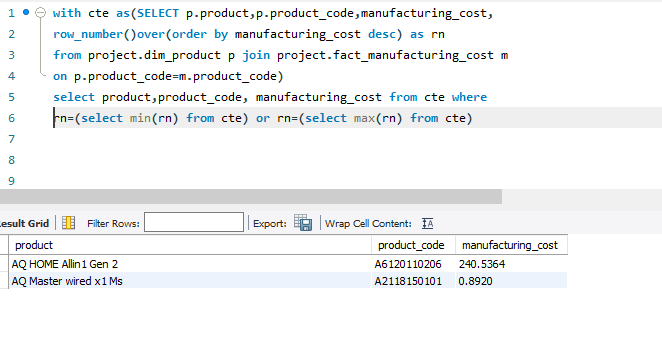
Problem3**. Provide a report with all the unique product counts for each segment and sort them in descending order of product counts. The final output contains 2 fields, segment product\_count.**

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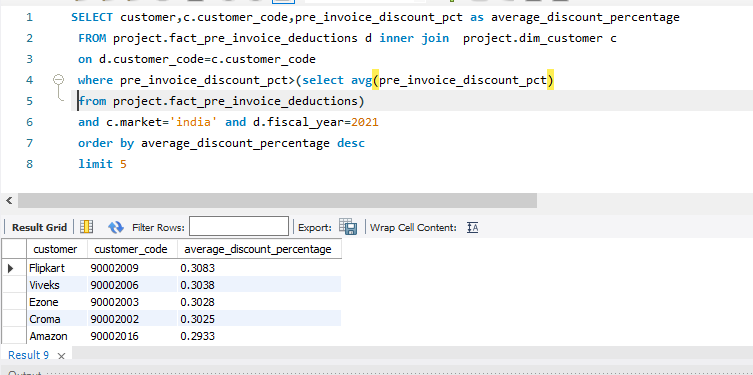
**Problem4. Follow-up: Which segment had the most increase in unique products in 2021 vs 2020? The final output contains these fields, segment product\_count\_2020, product\_count\_2021 ,difference.**



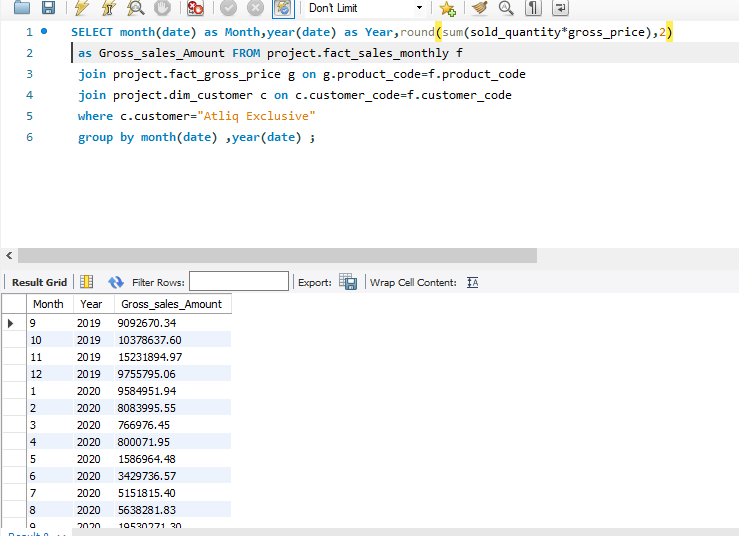
**Problem5. Get the products that have the highest and lowest manufacturing costs. The final output should contain these fields, product\_code, product, manufacturing\_cost.**

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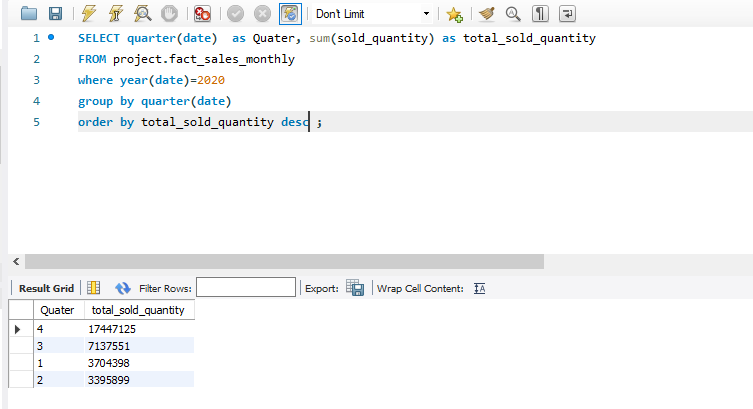
**Problem6.** **Generate a report which contains the top 5 customers who received an average high pre\_invoice\_discount\_pct for the fiscal year 2021 and in the Indian market. The final output contains these fields, customer\_code, customer, average\_discount\_percentage.**

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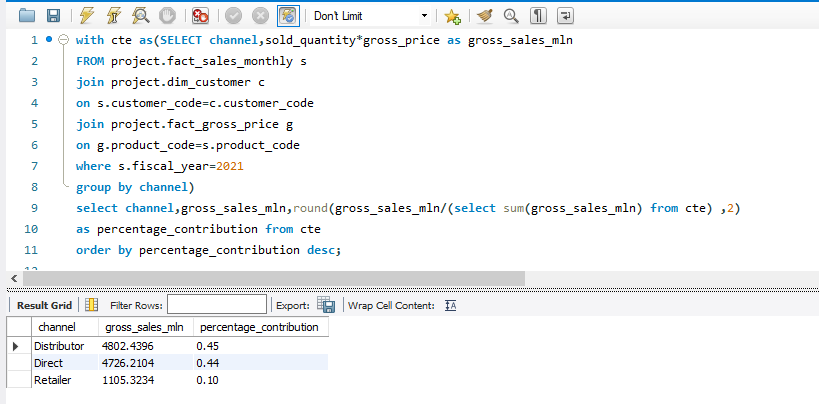
**Problem7.** **Get the complete report of the Gross sales amount for the customer “Atliq Exclusive” for each month. This analysis helps to get an idea of low and high-performing months and take strategic decisions. The final report contains these columns: Month ,Year ,Gross sales Amount.**

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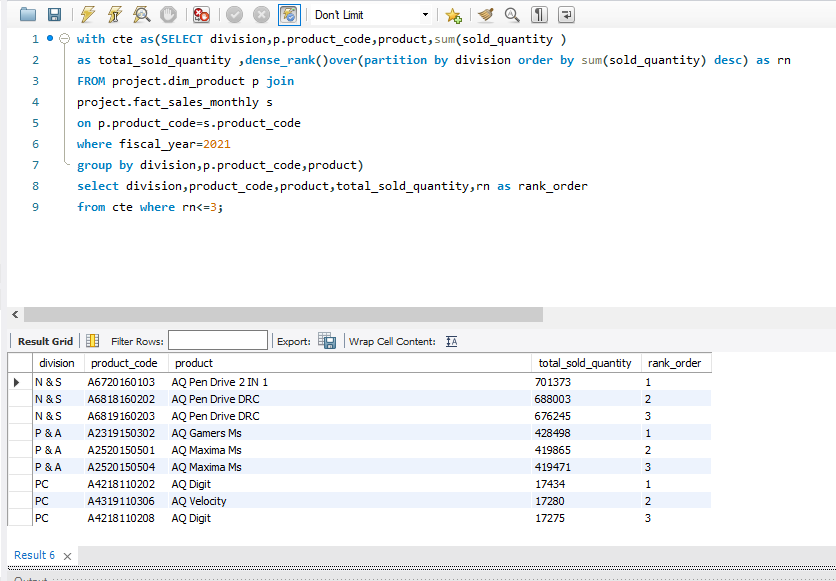
**Problem8. In which quarter of 2020, got the maximum total\_sold\_quantity? The final output contains these fields sorted by the total\_sold\_quantity: Quarter ,total\_sold\_quantity.**

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**Problem9.** **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.**

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**Problem10. 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.**

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