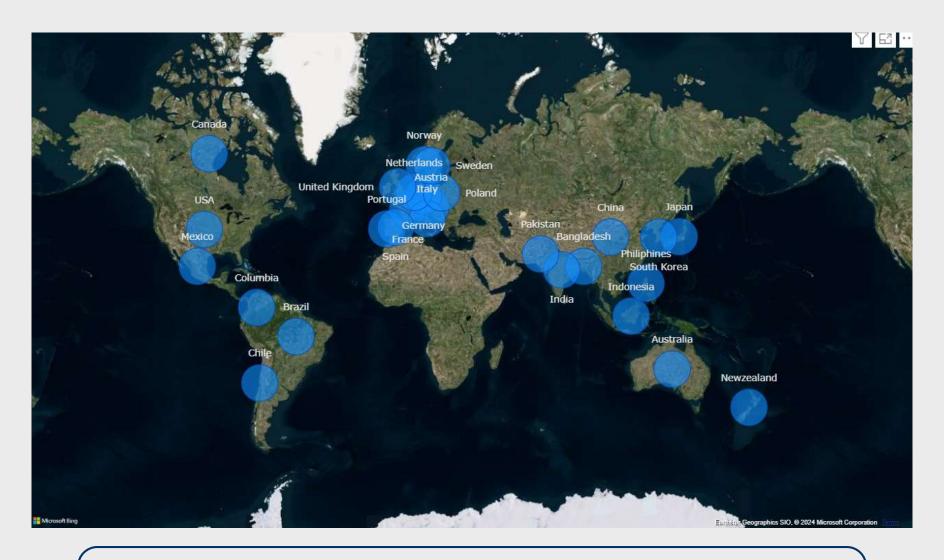
ATLIQ HARDWARE

Sales Insights from ad-hoc requests

Prepared by Gunjan Trehan March 2023

COMPANY'S MARKET



Atliq Hardware actively doing business in 27 countries across NA, EU and APAC region

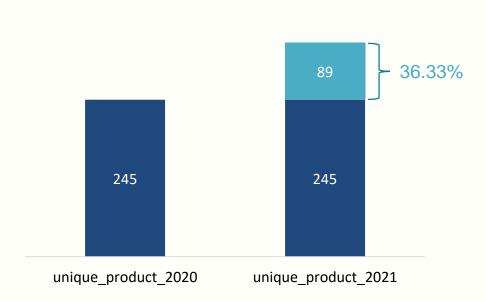
Q1. Provide the list of markets in which customer 'Atliq Exclusive' operates its business in the APAC region



- Atliq Exclusive operates its business in 8 major markets of Asia Pacific region
- Atliq Exclusive has the most stores in APAC region followed by EU(6) and NA(2)

Q2. What is the percentage change of unique product increase in 2021 Vs. 2020? The final output contains the fields, unique_products_2021, unique_products_2020, Percentage_chg

SELECT X.A AS unique_product_2020, Y.B AS unique_product_2021, ROUND((B-A)*100/A, 2) AS percentage_chg FROM ((SELECT COUNT(DISTINCT(product_code)) AS A FROM fact_sales_monthly WHERE fiscal_year = 2020) X, (SELECT COUNT(DISTINCT(product_code)) AS B FROM fact_sales_monthly WHERE fiscal_year = 2021) Y); Output unique_product_2020 unique_product_2021 percentage_chg 245 334 36.33



Atliq observed an increase of 36.33% in number of unique products from 2020 to 2021

Q3. 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

Query

```
SELECT

segment,

COUNT(DISTINCT(product_code)) AS product_count

FROM dim_product

GROUP BY segment

ORDER BY product_count DESC;
```

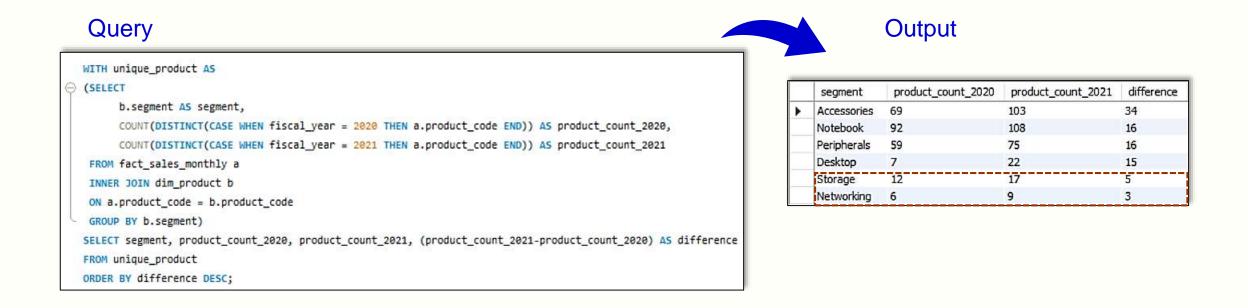


Output

	segment	product_count	
•	Notebook	129	
	Accessories	116	
	Peripherals	84	
	Desktop	32	
	Storage	27	
	Networking	9	

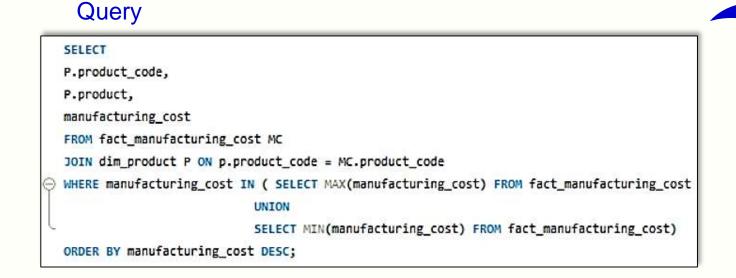
Atliq observed an increase of 36.33% in number of unique products from 2020 to 2021

Q4. Follow-up: Which segment had the most increase in unique products in2021 vs 2020? The final output contains these fields, segmentproduct_count_2020product_count_2021difference



- Accessories had the largest production growth over period
- Storage and Networking production is at lower rate in comparison to other segments

Q5. Get the products that have the highest and lowest manufacturing costs. The final output should contain these fields, product_code, product, manufacturing_cost





	product_code	product	manufacturing_cost
Þ	A6120110206	AQ HOME Allin 1 Gen 2	240.5364
	A2118150101	AQ Master wired x1 Ms	0.8920

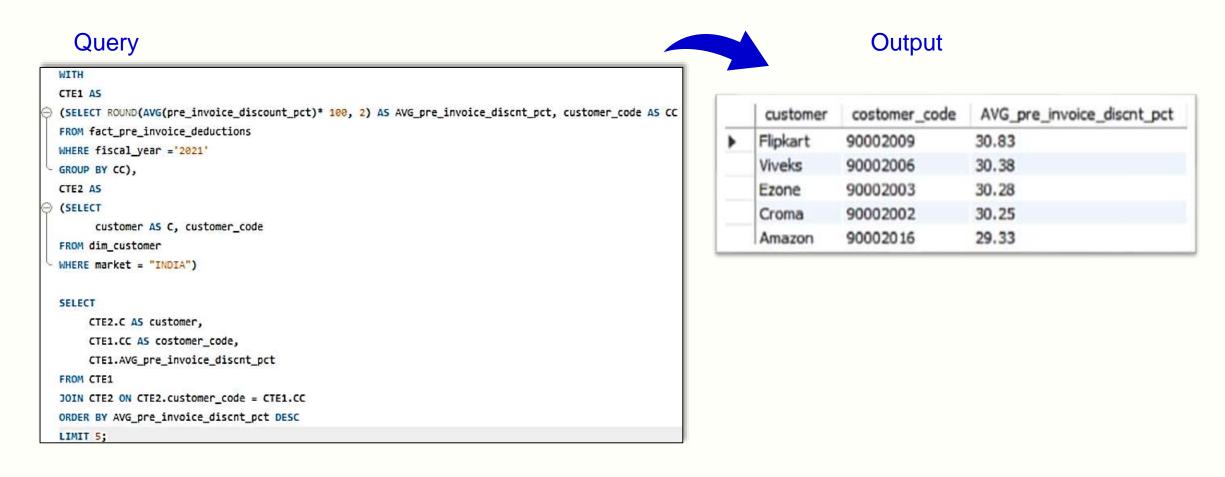


Mouse: AQ Master wired x1 Ms has lowest manufacturing cost



Personal Desktop: AQ Home Allin1 Gen2 has highest manufacturing cost

Q6. 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



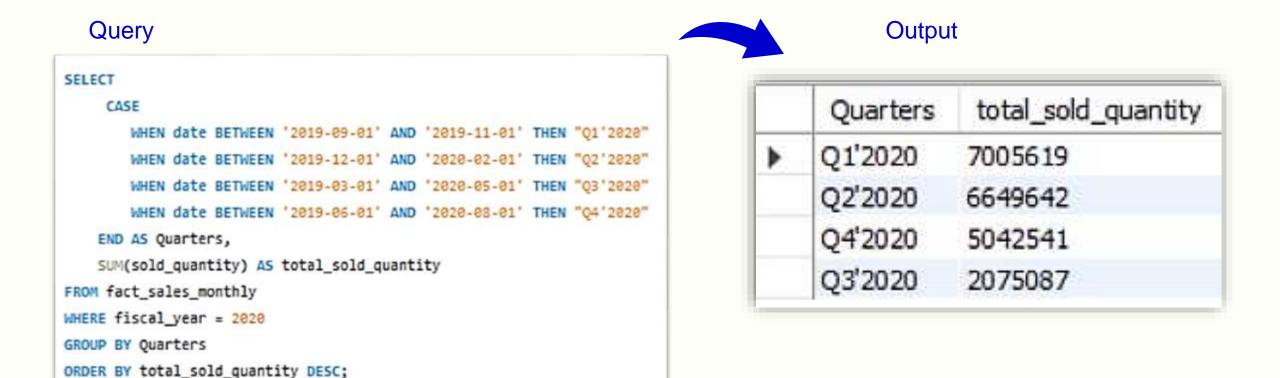
Q7. Get the complete report of the Gross sales amount for the customer "AtliqExclusive" for each month. This analysis helps to get an idea of low and high-performing months and take strategic decisions. The final report contains these columns: Month, Year, Gross sales Amount

Query

Output

Month	fiscal_year	gross_sales_amount
September 2019	2020	2610,85
October 2019	2020	762.29
November 2019	2020	3620.89
December 2019	2020	1372.13
January 2020	2020	3068.23
February 2020	2020	514.55
March 2020	2020	57.17
April 2020	2020	133.40
May 2020	2020	76.23
June 2020	2020	514.55
July 2020	2020	1410.24
August 2020	2020	762.29
September 2020	2021	4726.21
October 2020	2021	5660.02
November 2020	2021	914.75
December 2020	2021	1619.87
January 2021	2021	2267.82
February 2021	2021	3315.97
March 2021	2021	3068.23
April 2021	2021	686.06
May 2021	2021	3563.72
June 2021	2021	2344.05
July 2021	2021	3449.37
August 2021	2021	495,49

Q8. 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



Q9. Which channel helped to bring more gross sales in the fiscal year 2021and the percentage of contribution? The final output contains these fields: channel, gross_sales_mln, percentage

Query



	channel	gross_sales_mln	percentage
•	Retailer	1924.17	73.22 %
	Direct	406.69	15.48 %
	Distributor	297.18	11.31 %

Q10. 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

Query

```
WITH top_sold_products AS
(SELECT b.division AS division, b.product_code AS product_code, b.product AS product,
SUM(a.sold_quantity) AS total_sold_quantity
   FROM fact_sales_monthly AS a
   INNER JOIN dim_product AS b
   ON a.product_code = b.product_code
   WHERE a.fiscal_year = 2021
   GROUP BY b.division, b.product_code, b.product
   ORDER BY total_sold_quantity DESC
),
top_sold_per_division AS
( SELECT division, product_code, product, total_sold_quantity,
   DENSE_RANK() OVER(PARTITION BY division ORDER BY total_sold_quantity DESC) AS rank_order
 FROM top_sold_products)
SELECT * FROM top sold per division
WHERE rank_order <= 3;
```



Output

	division	product_code	product	total_sold_quantity	rank_order
١	N & S	A6720160103	AQ Pen Drive 2 IN 1	701373	1
	N&S	A6818160202	AQ Pen Drive DRC	688003	2
	N & S	A6819160203	AQ Pen Drive DRC	676245	3
	P&A	A2319150302	AQ Gamers Ms	428498	1
	P&A	A2520150501	AQ Maxima Ms	419865	2
	P&A	A2520150504	AQ Maxima Ms	419471	3
	PC	A4218110202	AQ Digit	17434	1
	PC	A4319110306	AQ Velocity	17280	2
	PC	A4218110208	AQ Digit	17275	3