

## **Executive**Management

sahilsingh003

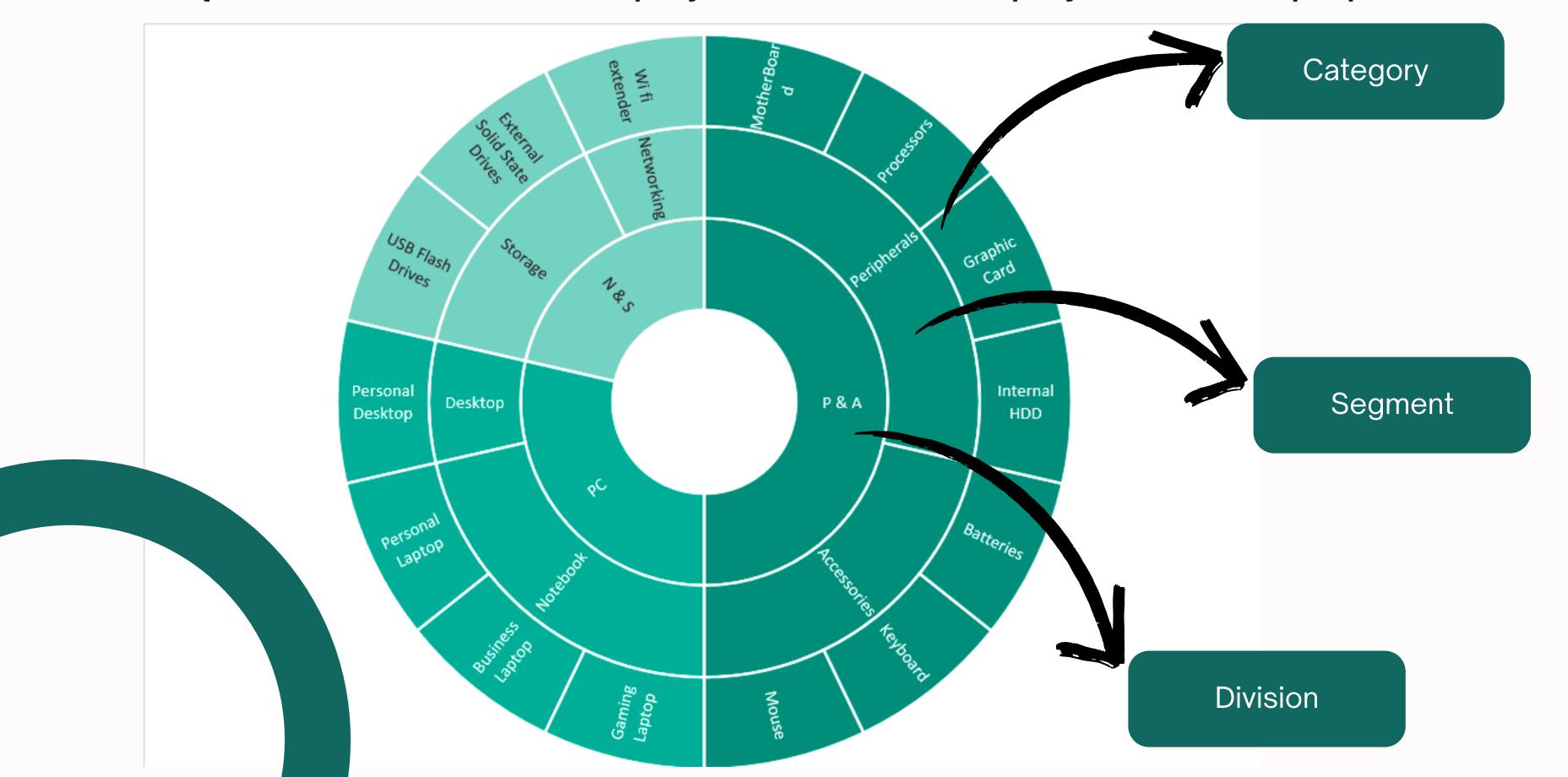




challenge which will help him understand both the skills.

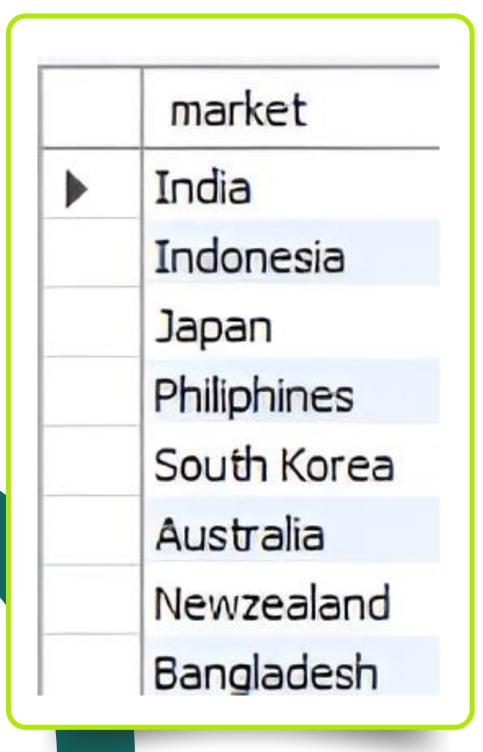
## Overview

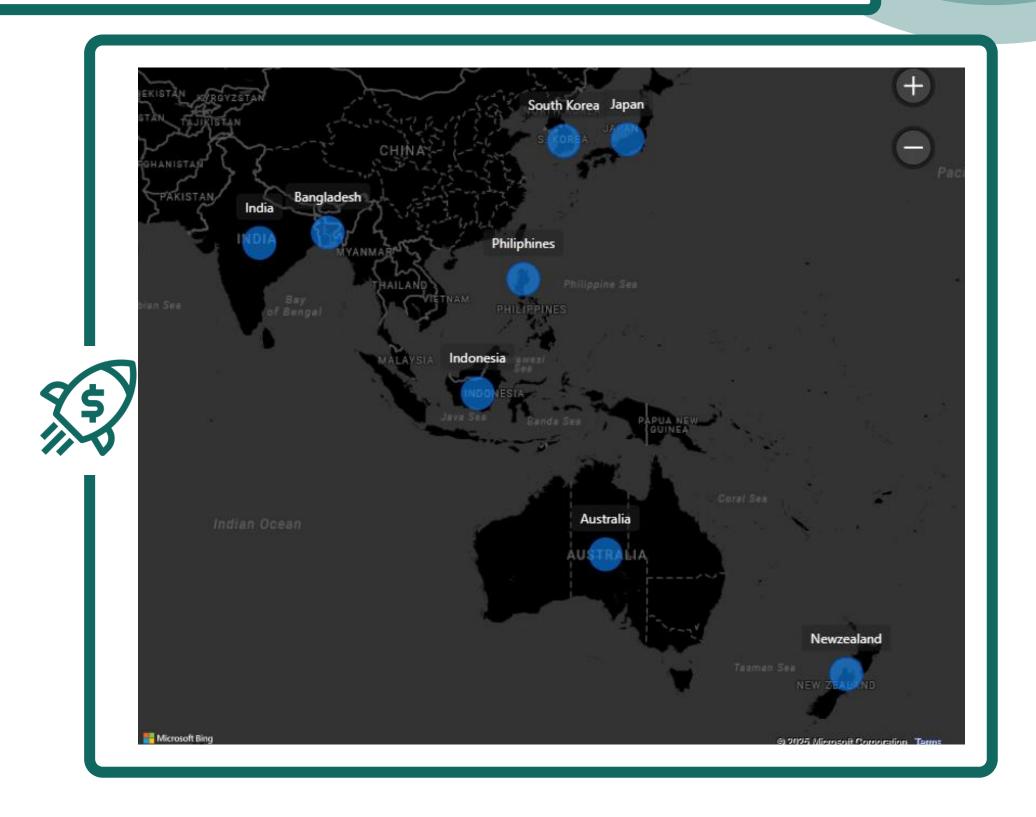
Atliq Hardware is a Hardware Company Whose Product Company hardware and periperales





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







## 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

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

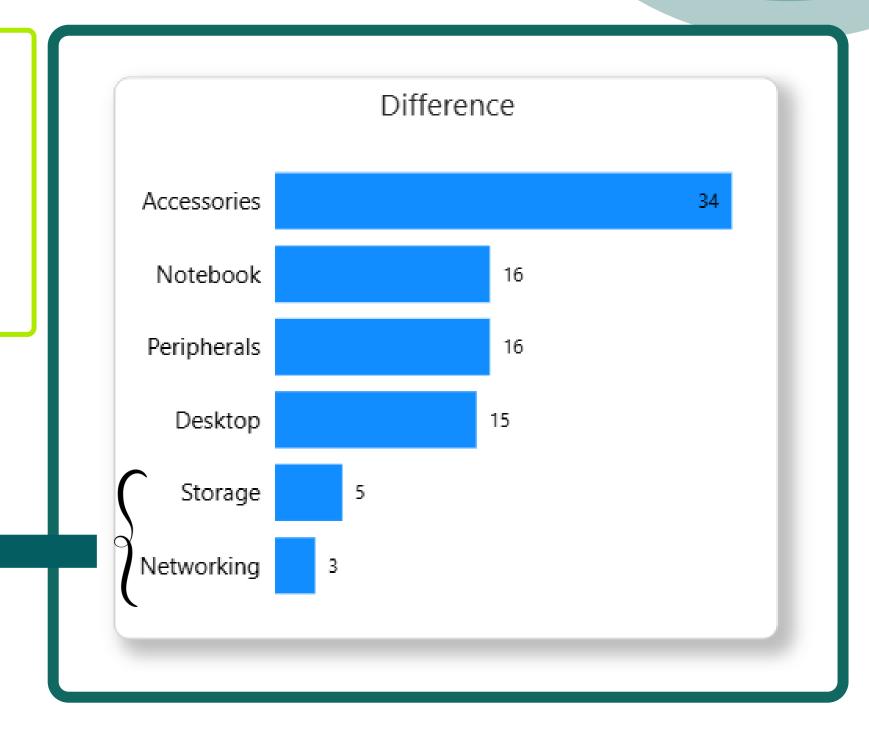


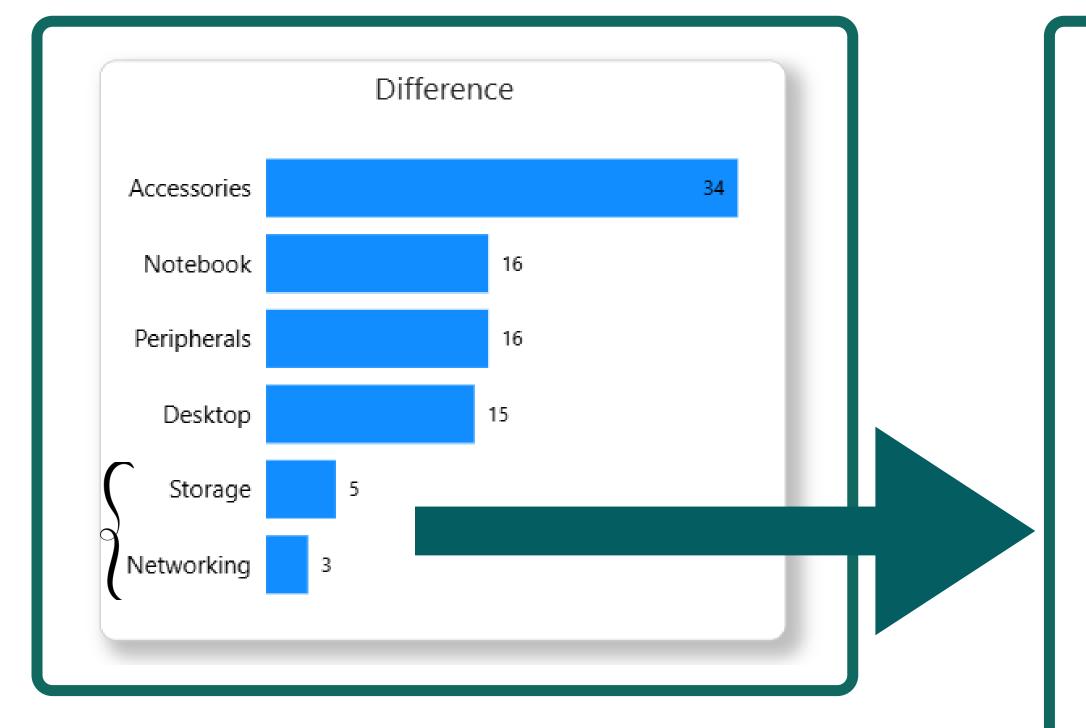
product\_count\_2021

difference

	segment	product_count_2020	product_count_2021	difference	pct_inc
•	Accessories	69	103	34	49.28
	Desktop	7	22	15	214.29
	Networking	6	9	3	50.00
	Notebook	92	108	16	17.39
	Peripherals	59	75	16	27.12
	Storage	12	17	5	41.67

**Storage and Networking segments have** experienced the lowest growth in unique products year-over-year





Although the Storage and Networking segments have experienced the lowest growth in unique products year-over-year, this reveals a valuable opportunity for the company. If the goal is to introduce new products, these two segments should be the primary focus due to their untapped potential.

To effectively seize this opportunity, the expansion must be supported by a robust go-to-market strategy. This should begin with thorough market analysis — identifying customer needs, analyzing gaps in current offerings, and staying ahead of emerging technology trends. With a focused and data-driven approach, Storage and Networking can evolve into key segments driving future innovation and growth for the company.



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	manufacturing_cost
<b></b>	A2118150101	0.8920
	A6120110206	240.5364



Product Code	Product	Category	Manufacturi	ing Cost
A2118150101	AQ Master wired x1 Ms	Mouse	\$	0.89
A6120110206	AQ HOME Allin1 Gen 2	Personal Desktop	\$	240.54

While the slide highlights the products with the highest and lowest manufacturing costs, it lacks crucial context — we do not know which year these costs belong to. To provide a complete and insightful picture, it's recommended to track the maximum and minimum manufacturing costs year-wise. This would not only clarify the time frame of the cost extremes but also enable us to analyze the percentage increase or decrease in manufacturing costs over time, adding significant depth to the insights.



Generate a report that 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

		customer_code	customer	average_discount_percentage
	•	90002009	Flipkart	0.30830000
\$\$		90002006	Viveks	0.30380000
7		90002003	Ezone	0.30280000
		90002002	Croma	0.30250000
		90002016	Amazon	0.29330000



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

Significant Year-Over-Year Growth



Comparing fiscal years 2020 and 2021 shows dramatic growth. Total gross sales increased from approximately \$79.5 million in FY2020 to about \$224.4 million in FY2021, representing a roughly 182% increase.

The data shows what appears to be a significant COVID impact from March-August 2020 (sales dropped dramatically), followed by strong recovery starting September 2021.



COVID-19 Impact and Recovery

Seasonal Patterns



November appears to be your strongest month in both years, with significant sales spikes (15.2M in 2020, 32.2M in 2021). The main reason for this spike is Diwali, a major festival in India when people tend to spend more, especially due to festive offers and discounts.me.

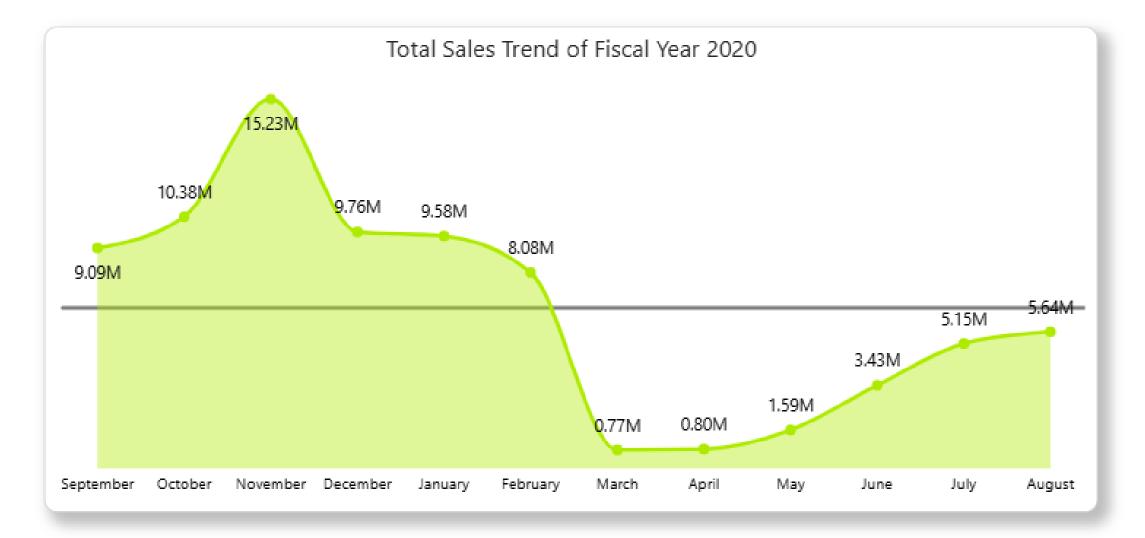
Unlike 2020's volatility, 2021 maintained more consistent monthly sales above the \$11M mark across all months.

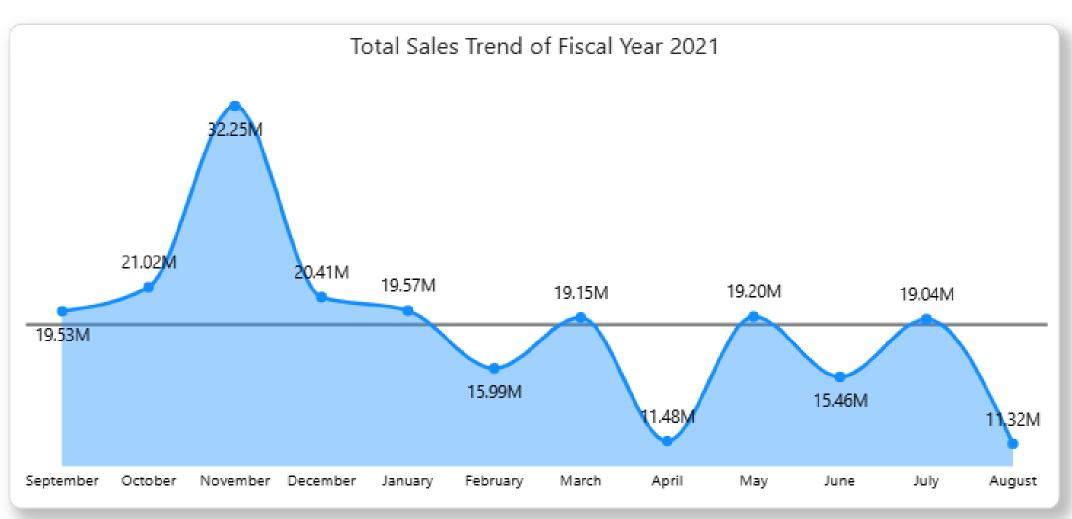


Consistent
Performance in
2021

	month	year	total_gross_sales
•	September	2019	9092670.3392
	October	2019	10378637.5961
	November	2019	15231894.9669
	December	2019	9755795.0577
	January	2020	9584951.9393
	February	2020	8083995.5479
	March	2020	766976.4531
	April	2020	800071.9543
	May	2020	1586964.4768
	June	2020	3429736.5712
	July	2020	5151815.4020
	August	2020	5638281.8287
	September	2020	19530271.3028
	October	2020	21016218.2095
	November	2020	32247289.7946
	December	2020	20409063.1769
	January	2021	19570701.7102
	February	2021	15986603.8883
	March	2021	19149624.9239
	April	2021	11483530.3032
	May	2021	19204309.4095
	June	2021	15457579.6626
	July	2021	19044968.8164
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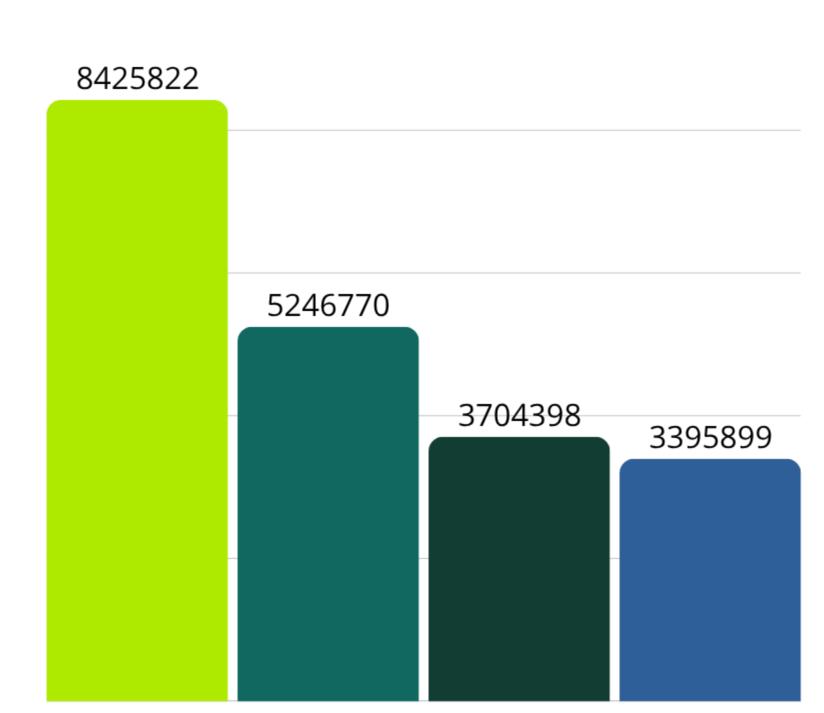


In which quarter of 2020, got the maximum total\_sold\_quantity? The final output contains these fields sorted by the total\_sold\_quantity,

Quarter t

otal\_sold\_quantity

	quarter	total_sold_quantity
•	Q4	8425822
	Q3	5246770
	Q1	3704398
	Q2	3395899



Q1

Q3

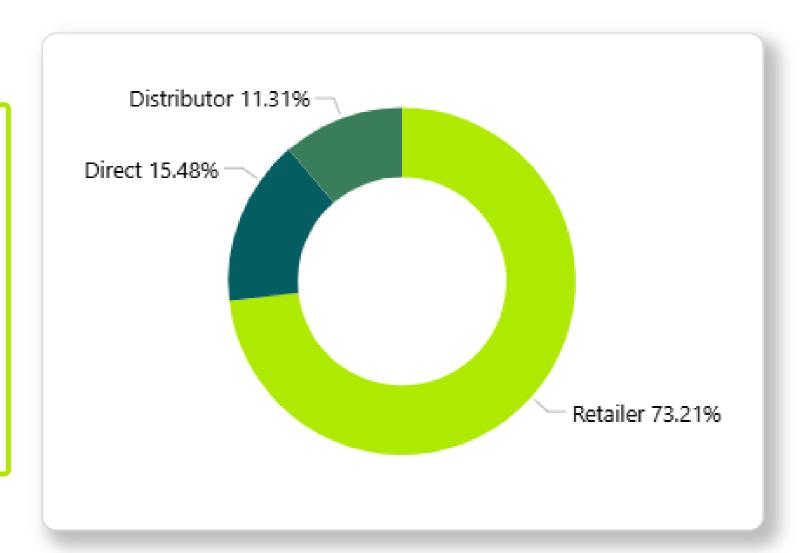
Q1

**Q**2



## 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

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







division
product\_code
product
total\_sold\_quantity
rank\_order



	division	product_code	product	total_sold_quantity	rank_order
•	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

