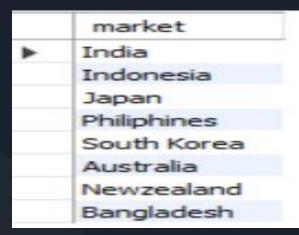
Provide the list of markets in which customer "Atliq Exclusive" operates its business in the APAC region



1

SELECT DISTINCT(market) FROM gdb023.dim_customer WHERE customer='Atliq Exclusive' and region='APAC';



What is the percentage of unique product increase in 2021 vs. 2020?

```
(SELECT DISTINCT(P.product_code),P.product ,max(M.manufacturing_cost) AS Manufacturing_cost FROM gdb023.dim_product P INNER JOIN gdb023.fact_manufacturing_cost M ON P.product_code=M.product_code
GROUP BY P.product_code,product ORDER BY max(M.manufacturing_cost) DESC LIMIT 1)
UNION ALL
```

(SELECT DISTINCT(P.product_code),P.product ,P.segment,min(M.manufacturing_cost)AS Manufacturing_cost FROM gdb023.dim_product P INNER JOIN gdb023.fact_manufacturing_cost M ON P.product_code=M.product_code

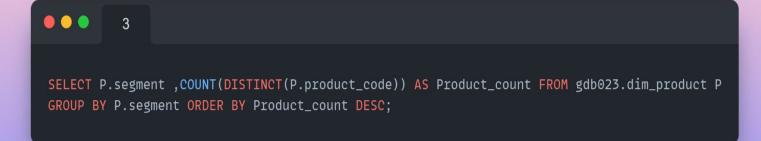
GROUP BY P.product_code,P.product ORDER BY min(M.manufacturing_cost) ASC LIMIT 1)

OUTPUT

• • •

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

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

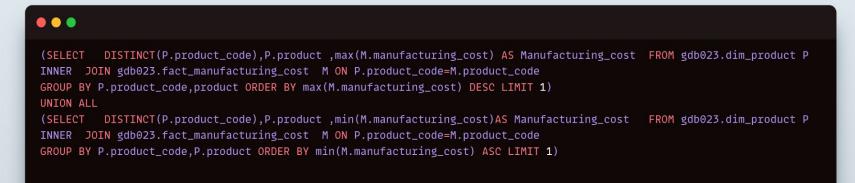


	segment	Product_count	
•	Notebook	129	
	Accessories	116	
	Peripherals	84	
	Desktop	32	
	Storage	27	
	Networking	9	

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, and difference.

	segment	products_count_2020	products_count_2021	Difference
•	Accessories	69	103	34
	Peripherals	59	75	16
	Notebook	92	108	16
	Desktop	7	22	15
	Storage	12	17	5
	Networking	6	9	3

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
>	A6120110206	AQ HOME Allin 1 Gen 2	240.5364
	A2118150101	AQ Master wired x1 Ms	0.8920

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



SELECT DISTINCT(C.customer_code),C.customer ,100*(Round(Avg(I.pre_invoice_discount_pct),3))AS average_discount_percentage FROM gdb023.dim_customer C INNEE JOIN gdb023.fact_pre_invoice_deductiONs I ON C.customer_code=I.customer_code
WHERE C.market='India' and I.fiscal_year=2021

GROUP BY C.customer_code,C.customer order by average_discount_percentage Desc Limit 5

	customer_code	customer	average_discount_percentage
٠	90002009	Flipkart	30.800
	90002006	Viveks	30.400
	90002002	Croma	30.300
	90002003	Ezone	30.300
	90002016	Amazon	29.300

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



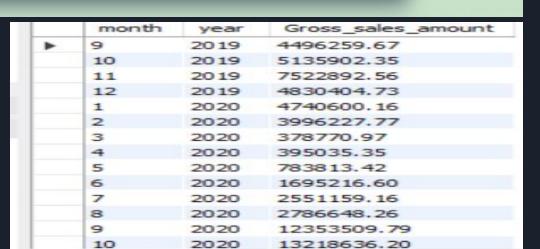
SELECT month(S.date) AS month, year(date)AS year, Round(sum((S.sold_quantity)*(G.gross_price)),2)

AS Gross_sales_amount FROM gdb023.fact_sales_monthly S

INNER JOIN gdb023.dim_customer C ON S.customer_code=C.customer_code

INNER JOIN gdb023.fact_gross_price G ON S.product_code=G.product_code and S.fiscal_year=G.fiscal_year
WHERE C.customer='Atliq Exclusive'

GROUP BY month, year ORDER BY year, month



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

```
WITH

CTE AS (SELECT month(S.date)AS month, S.sold_quantity AS Sales ,

CASe

WHEN month(S.date) IN (9,10,11) Then 'First Quarter'
WHEN month(S.date) IN (12,1,2) Then 'Second Quarter'
WHEN month(S.date) IN (3,4,5) Then 'Third Quarter'
Else 'Fourth Quarter'
End AS Quarters
FROM gdb023.fact_sales_monthly S WHERE S.fiscal_year=2020)
SELECT CTE.Quarters, sum(CTE.Sales) AS total_sold_quantity FROM CTE
GROUP BY CTE.Quarters;
```

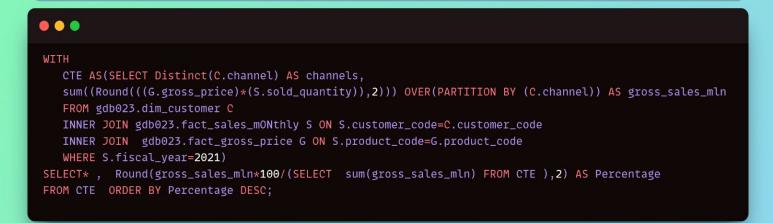
	Quarters	total_sold_quantity
•	First Quarter	7005619
	SecONd Quarter	6649642
	Third Quarter	2075087
	Fourth Quarter	5042541

Get the Top 3 products in each division that have a high total_sold_quantity in the fiscal_year 2021

```
WITH CTE3 AS(
WITH TOP_3 AS (SELECT p.product, s.product_code,p.division,SUM(sold_quantity) as Total_quantity_sold
FROM gdb023.fact_sales_monthly AS s
JOIN gdb023.dim_product AS p
on s.product_code=p.product_code
WHERE s.fiscal_year=2021 GROUP BY s.product_code,p.division,p.product
ORDER BY Total_quantity_sold)
SELECT *,RANK() OVER(PARTITION BY division ORDER BY Total_quantity_sold DESC) as top_rank
FROM TOP_3)
SELECT * FROM CTE3 WHERE top_rank IN (1,2,3)
```

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

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



	channels	gross_sales_mln	Percentage
•	Retailer	1924170470.35	73.22
	Direct	406686892.90	15.47
	Distributor	297175883.37	11.31