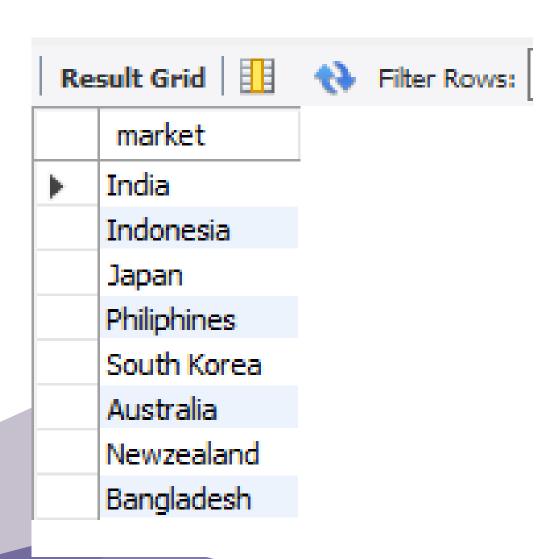


Request 1:Provide the list of markets in which customer "Atliq Exclusive" operates its business in the APAC region.

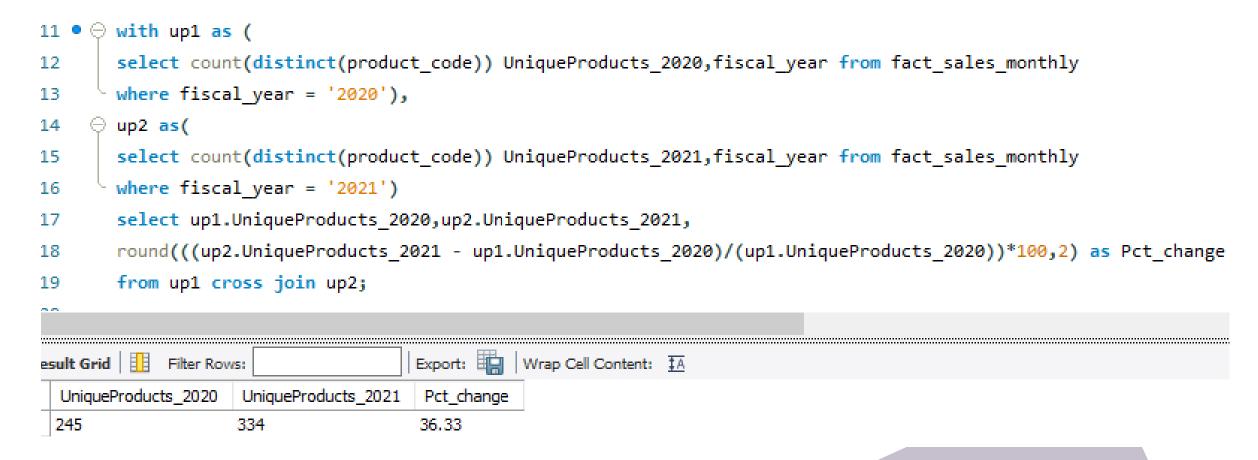
```
select distinct(market) from dim_customer
where customer like '%Atliq Exclusive%' and region like '%APAC%';
```



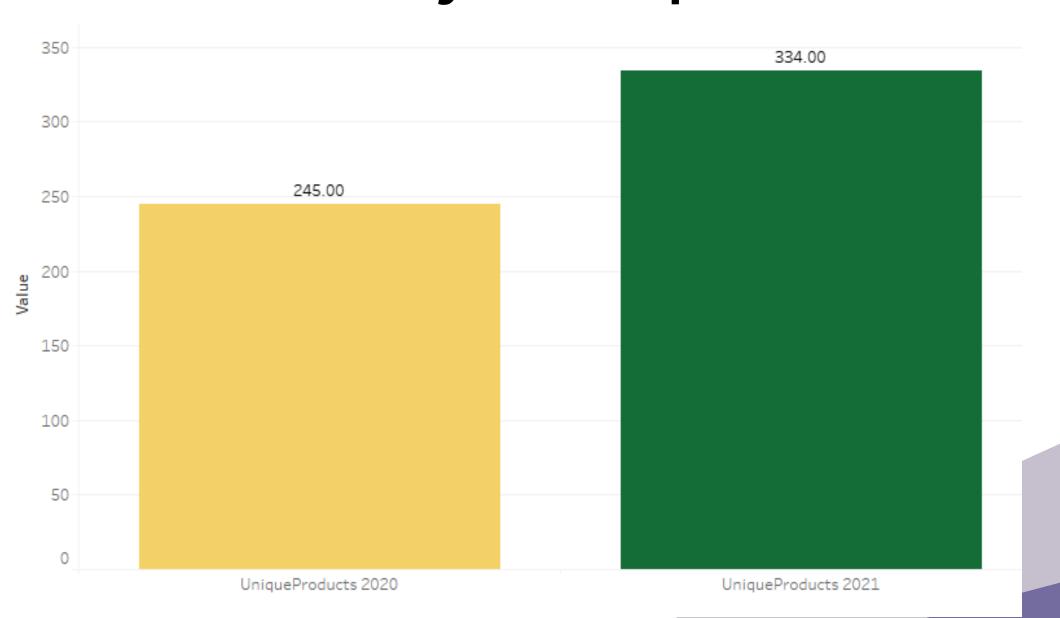
## Atliq Exclusive operates business in 8 major markets in the APAC region. Two other major markets remaining are Pakistan and China.



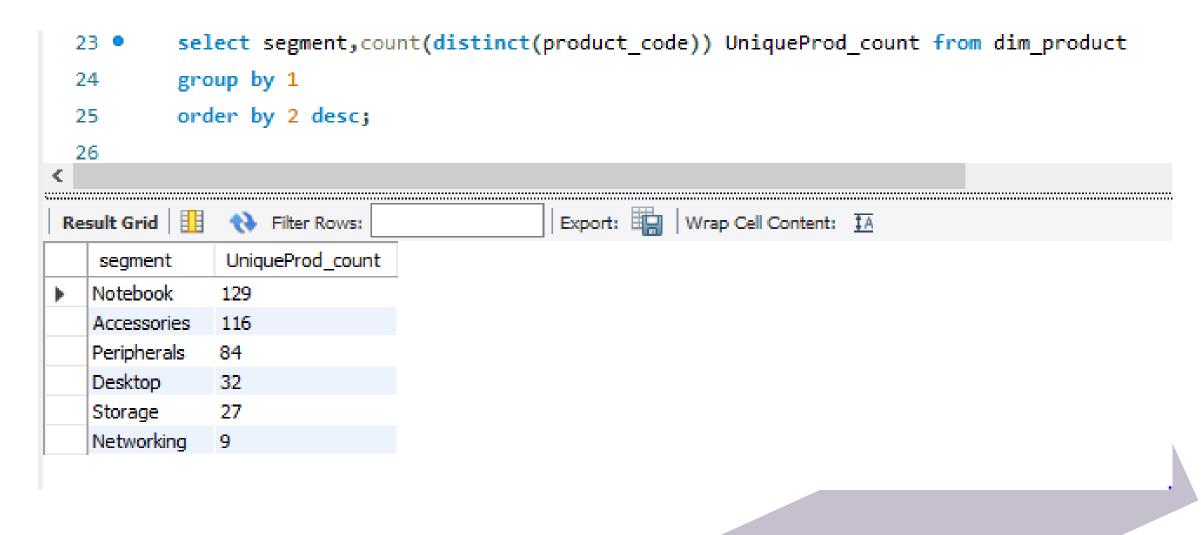
## Request 2:What is the percentage of unique product increase in 2021 vs. 2020?



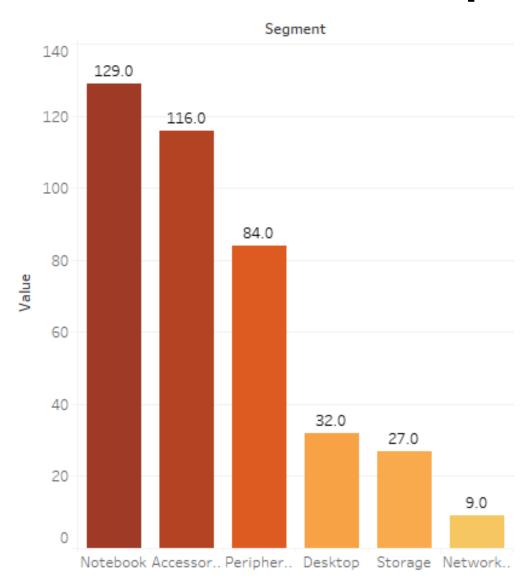
# A noteworthy surge of 36.33% in product numbers signifies the company's dedicated efforts in introducing a substantial array of new products to the market.



Request 3:Provide a report with all the unique product counts for each segment and sort them in descending order of product counts.



The Networking segment exhibits the lowest product count, while the Notebook segment boasts the highest. This suggests a strategic focus on sales and marketing for the Networking segment, likely in response to its high demand..

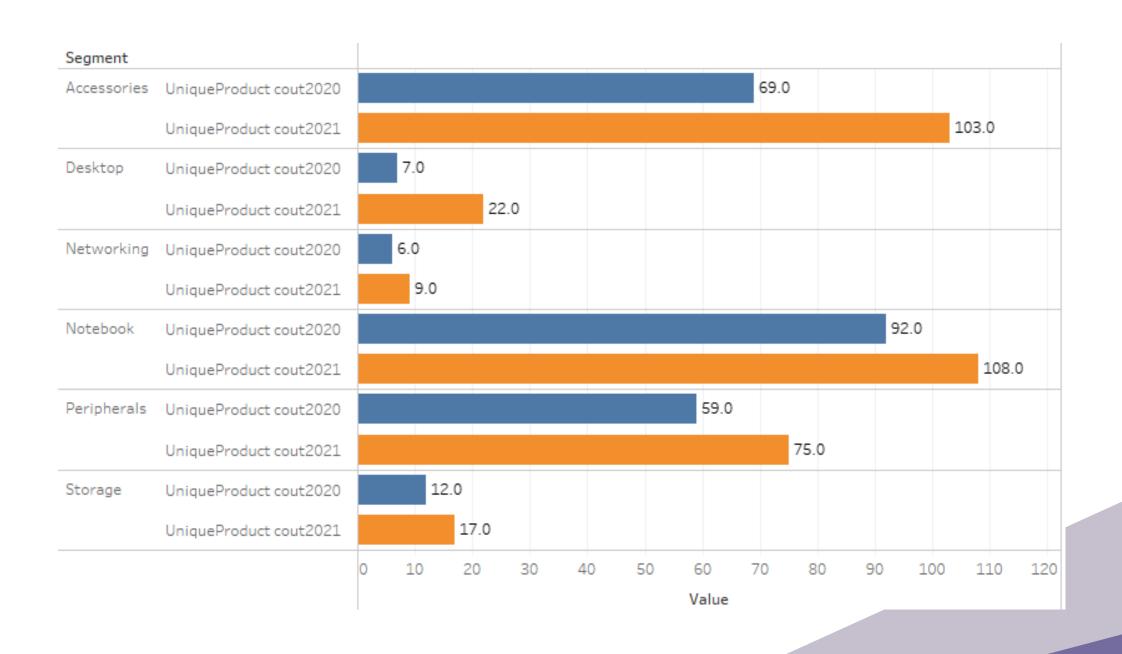


### Request 4:Follow-up: Which segment had the most increase in unique products in 2021 vs 2020?

```
with up1 as (select p.segment , s.fiscal year ,count(distinct(s.product code)) UniqueProduct cout2020
         from fact sales monthly s join dim product p using(product code)
29
         group by 1,2 having s.fiscal year = 2020 order by 3 desc),
30
         up2 as (
31
         select p.segment , s.fiscal_year ,count(distinct(s.product_code)) UniqueProduct_cout2021
32
         from fact sales monthly s
33
         join dim_product p using(product_code)
34
         group by 1,2
35
         having s.fiscal_year = 2021
36
         order by 3 desc)
37
         select up2.segment as Segment,up1.UniqueProduct_cout2020 ,up2.UniqueProduct_cout2021,
38
         (up2.UniqueProduct cout2021 - up1.UniqueProduct cout2020) as difference
39
         from up2
40
         join up1 on up1.segment = up2.segment
41
         order by difference desc;
42
```

Segment	UniqueProduct_cout2020	UniqueProduct_cout2021	difference
Accessories	69	103	34
Notebook	92	108	16
Peripherals	59	75	16
Desktop	7	22	15
Storage	12	17	5
Networking	6	9	3

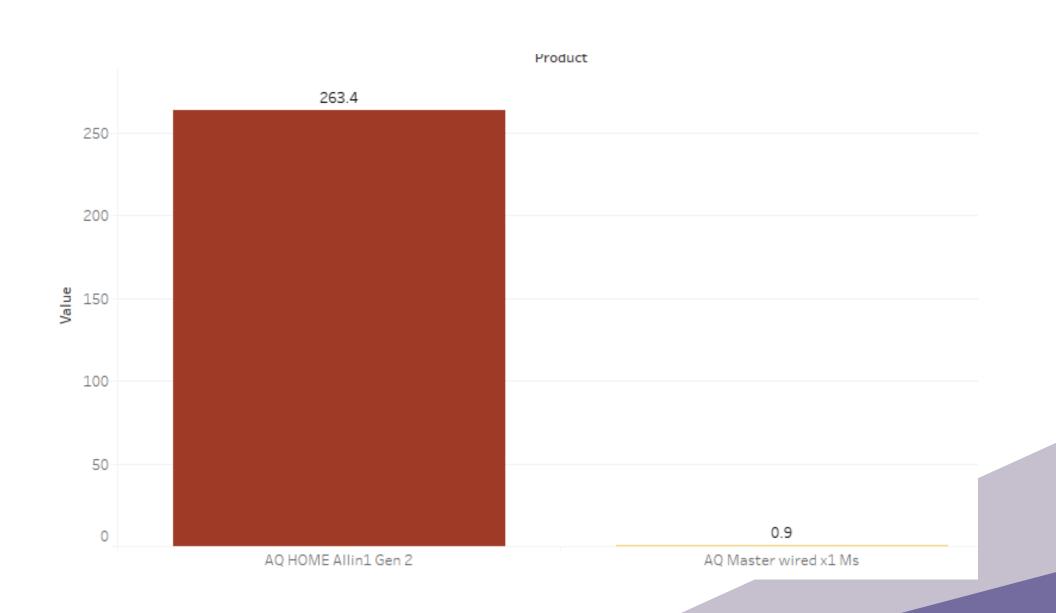
The Accessories segment stands out with the most significant increase in unique products. Not only did it experience the highest growth, but the difference is double compared to the second-highest segment in terms of unique product increase



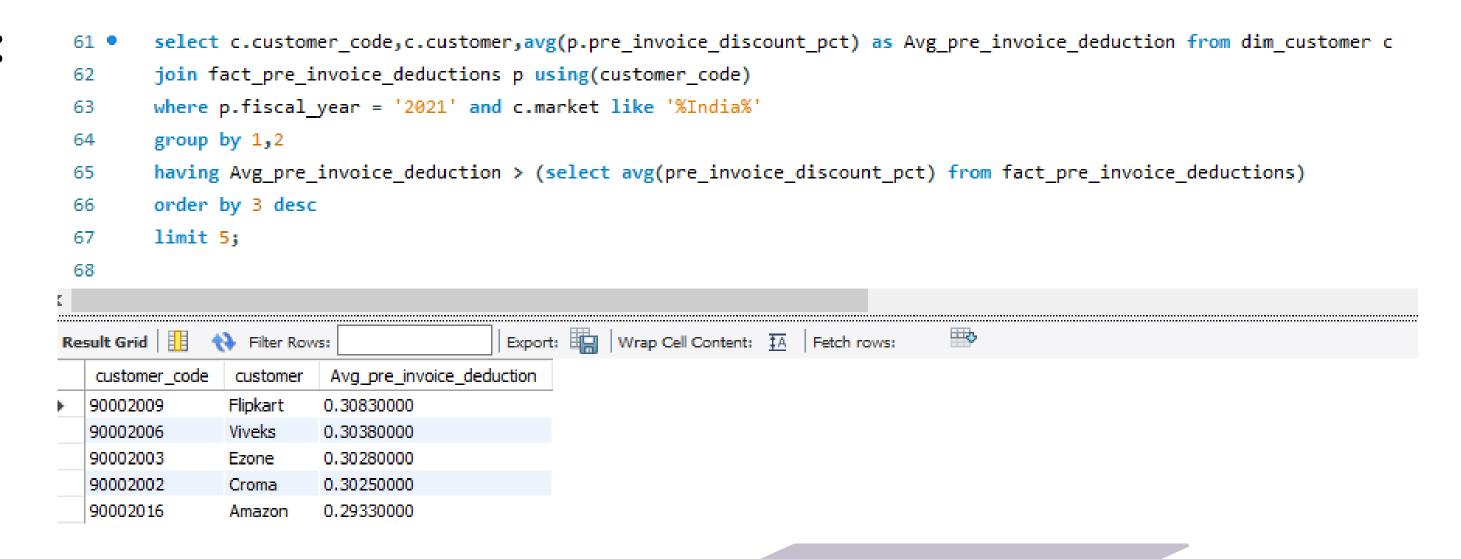
### Request 5:Follow-up: Get the products that have the highest and lowest manufacturing costs?

```
(select p.product code,p.product,m.manufacturing cost from dim product p
        join fact manufacturing cost m using(product code)
 47
        order by 3 desc limit 1)
 48
        union
 49
        (select p.product code,p.product,m.manufacturing cost from dim product p
 50
        join fact_manufacturing_cost m using(product_code)
 51
        order by 3 limit 1);
 52
Result Grid
                                       Export: Wrap Cell Content: TA
              Filter Rows:
                                   manufacturing_cost
   product_code
               product
               AQ HOME Allin1 Gen 2
  A6121110208
                                   263.4207
              AQ Master wired x1 Ms
  A2118150101
                                  0.8654
```

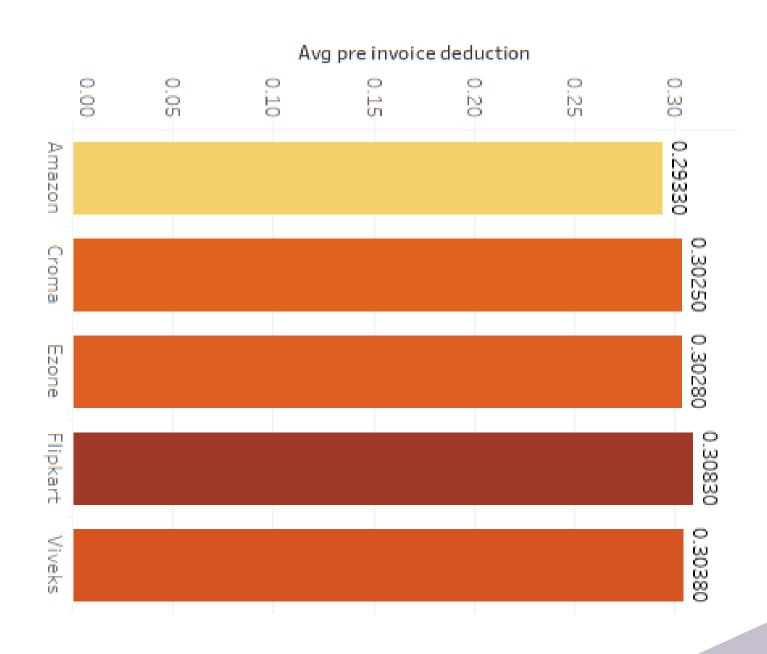
### The manufacturing cost is maximum for AQ Home Allin1 Gen 2, while AQ Master wired x1 Ms incurs the lowest manufacturing cost.



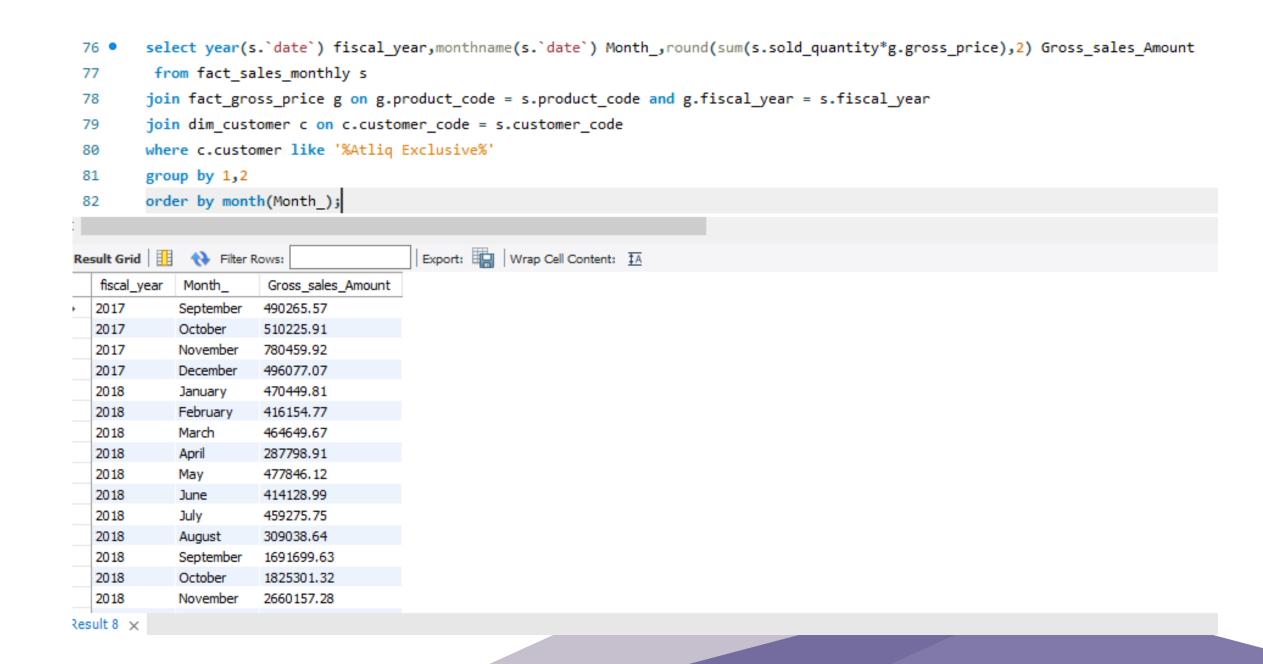
Request 6:Generate a report which contains the top 5 customers who received an average high pre\_invoice\_discount\_pct for the fiscal year 2021 and in the Indian market?



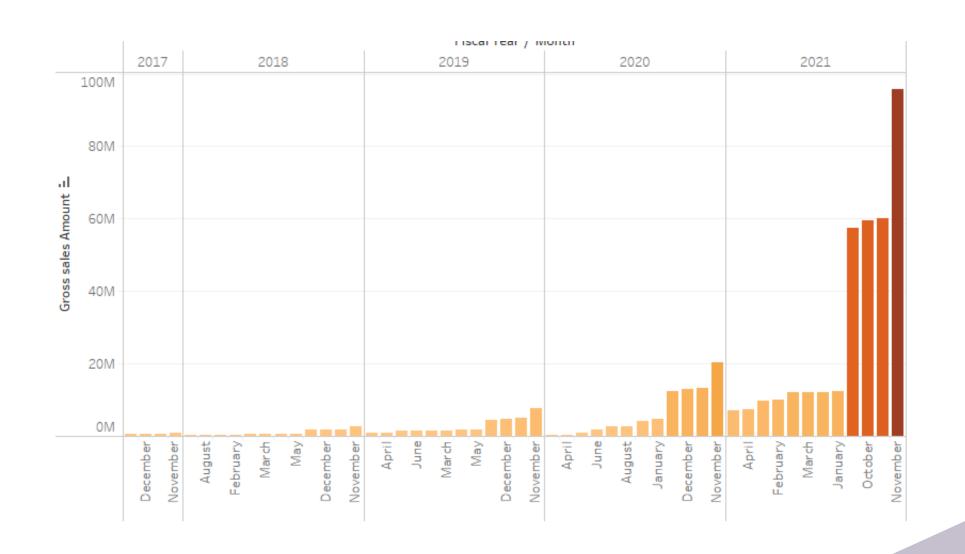
The average pre invoice discount percentage for the fiscal year 2021 and in the Indian market for the top 5 customers varies from 27.5% to 30.8%.



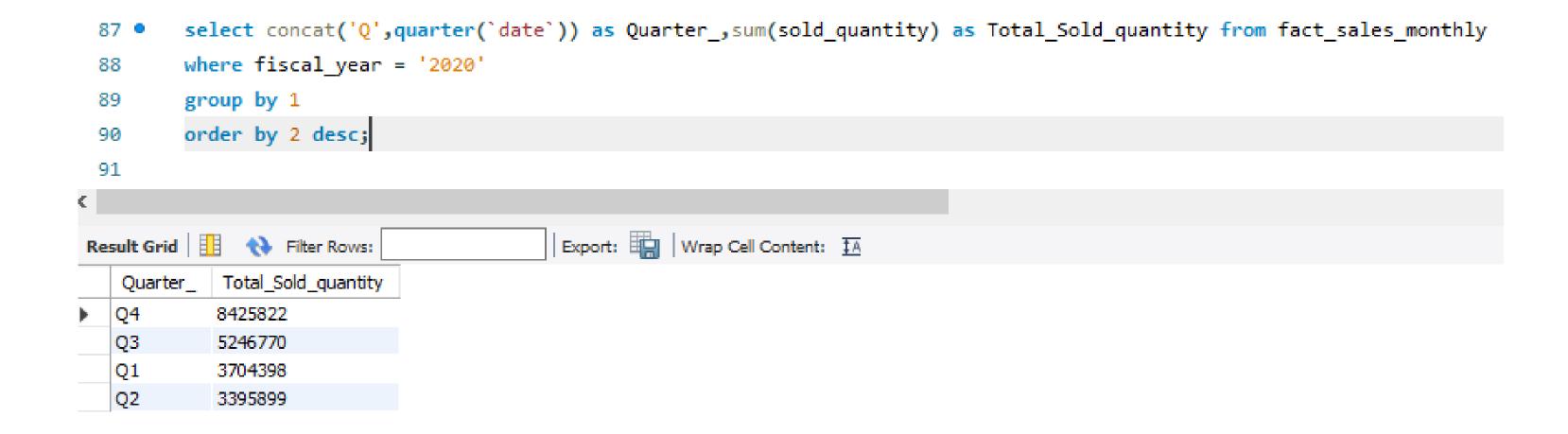
Request 7:Get the complete report of the Gross sales amount for the customer "Atliq Exclusive" for each month. This analysis helps to get an idea of low and high-performing months and take strategic decisions?



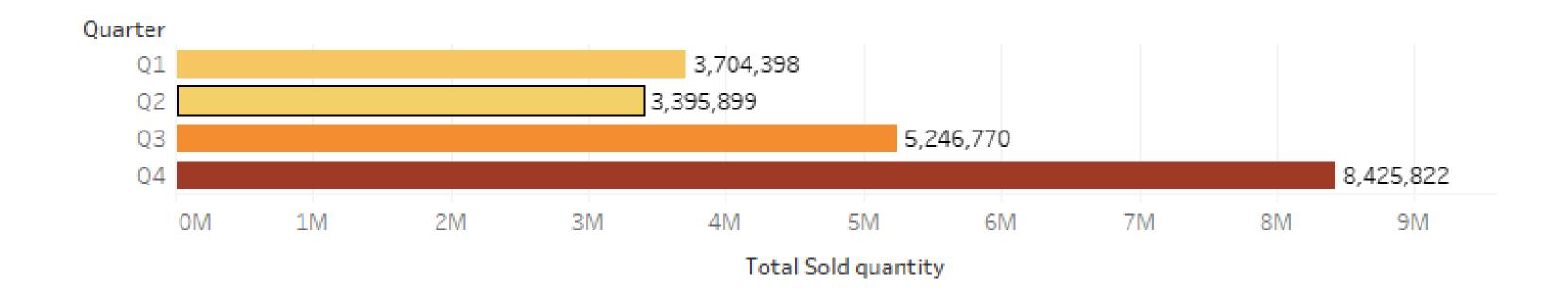
November 2020 marked the pinnacle of monthly sales for the company, while March 2020 recorded the lowest gross sales, possibly due to the initial impact of the first wave of COVID-19. However, the company swiftly rebounded and, within six months, achieved its highest □ ever gross sales in this 2 years.



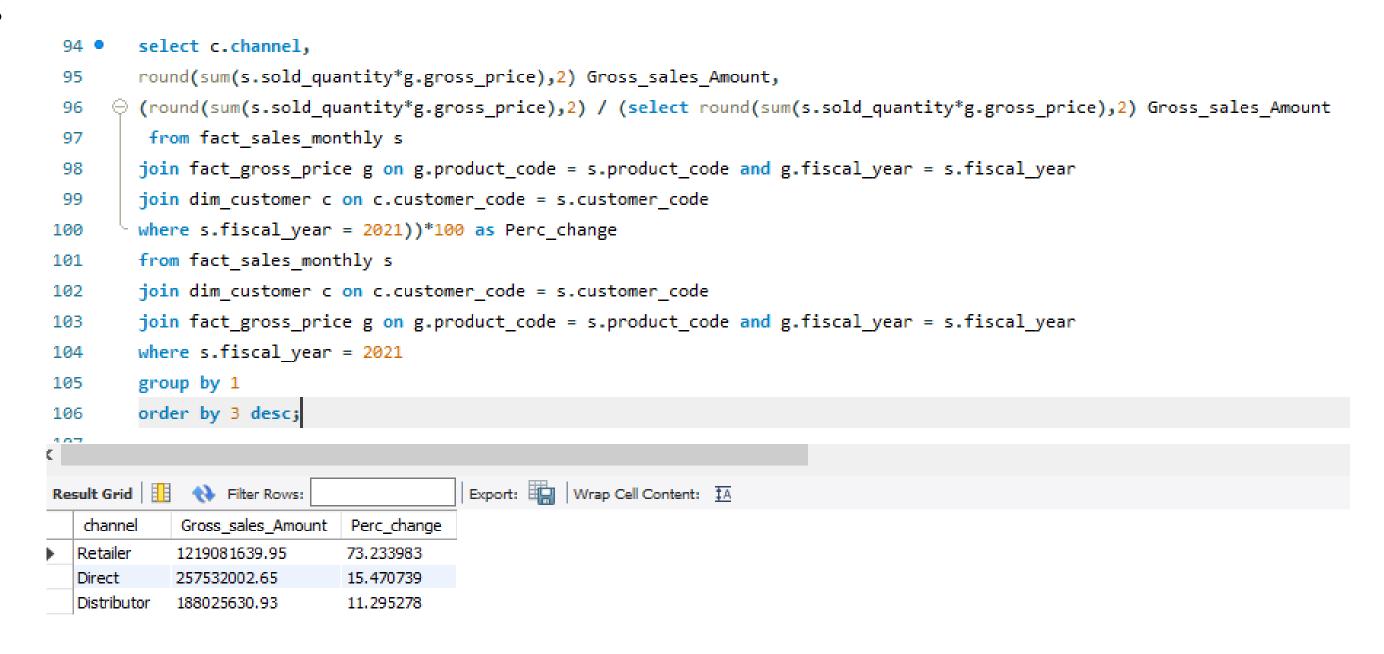
#### Request 8:In which quarter of 2020, got the maximum total\_sold\_quantity?



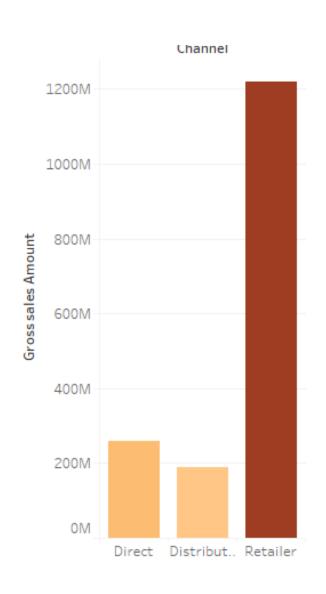
### For the fiscal year 2020 Company sold maximum quantities of product in Fourth Quarter.

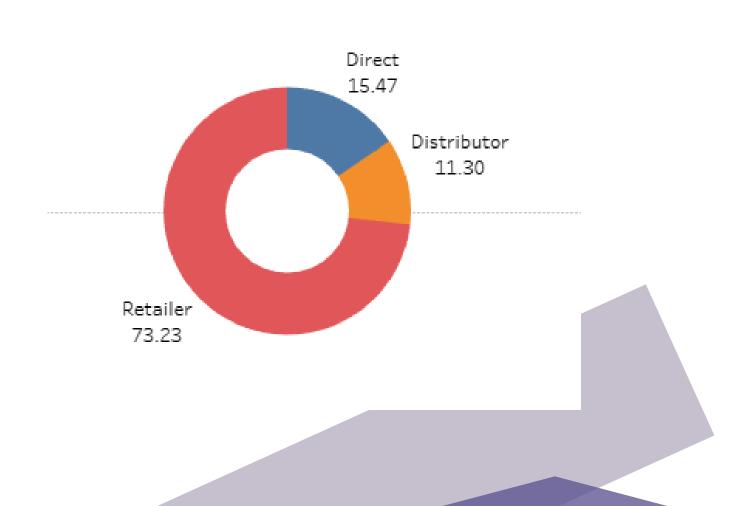


### Request 9:Which channel helped to bring more gross sales in the fiscal year 2021 and the percentage of contribution?

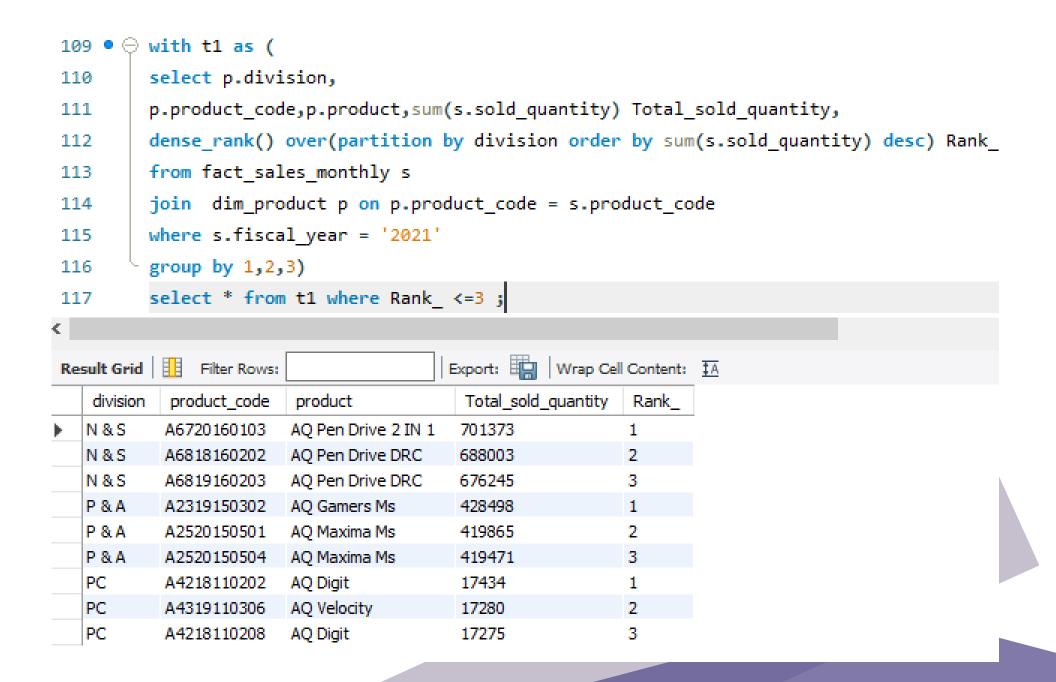


In 2021, the Retailer channel played a substantial role in the gross sales, contributing 73.23%. On the other hand, Distributors contributed the least at 11.30%, but it's noteworthy that the difference between the Distributor and Direct channels is minimal and shouldn't be overlooked.





### Request 10:Get the Top 3 products in each division that have a high total\_sold\_quantity in the fiscal\_year 2021?



### The Top 3 bestselling products for PC, P & A and N & S are laptops, mouse and pen drives respectively

