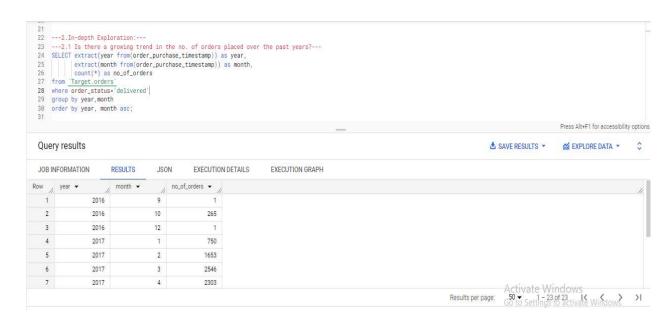




Activate Windows

PERSONAL HISTORY PROJECT HISTORY

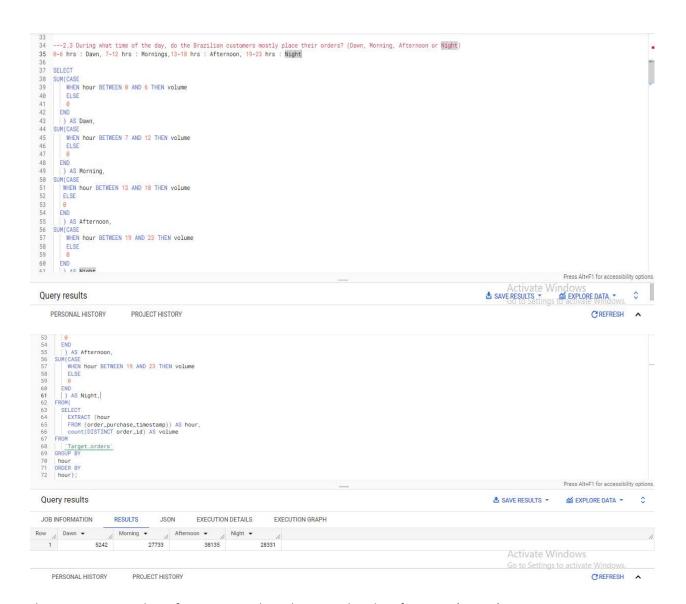




"YES", there is a growing trend in the number of orders as seeing by the month on month numbers.

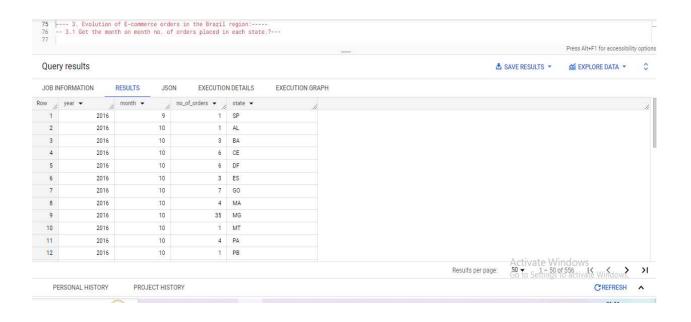
```
---2.2 Can we see some kind of monthly seasonality in terms of the no. of orders being placed?---
```

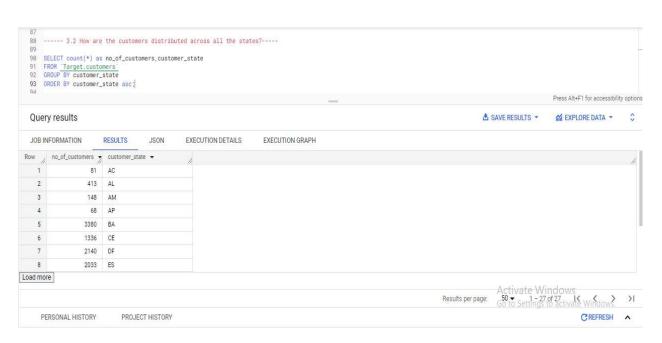
- "YES", It is observed that the winter season has the maximum sales(Oct.,Nov.,Dec.).



The maximum number of transactions have happened in the afternoon (38135).

```
75 --- 3. Evolution of E-commerce orders in the Brazil region:---
76 -- 3.1 Get the month on month no. of orders placed in each state.?--
77
78 SELECT extract(year from(o.order_purchase_timestamp)) as year,
79 | extract(month from(o.order_purchase_timestamp)) as month,
80 | count(*) as no_of_orders,g.customer_state as state
81 from 'Target.orders' as o
82 join 'Target.customers' as g
83 on e.customer_id = o.customer_id
84 where o.order_status='delivered'
85 group by year, month, state
86 order by year, month, state asc;
87
```





```
95 ---4. Impact on Economy: Analyze the money movement by e-commerce by looking at order prices, freight and others---
96 ---4.1 Get the % increase in the cost of orders from year 2017 to 2018 (include months between Jan to Aug only).
97 You can use the "payment_value" column in the payments table to get the cost of orders,----
98
99 WITH
100 year
101 SELEC
102 EX
      yearly_revenue AS (
SELECT
EXTRACT (year
103
104
         FROM o.order_purchase_timestamp) AS year,
105
106
107
          SUM(p.payment_value) AS revenue,
         FROM
         'Target.orders' AS o
188
189
         'Target.payments' AS p
110
111
112
113
114
115
116
117
118
119
         o.order_id = p.order_id
         WHERE
         o.order_status = 'delivered'
         AND EXTRACT (month
          FROM
         o.order_purchase_timestamp) BETWEEN 8
AND 8
GROUP BY
          year),
120
         prev_year_revenue AS [
121
122
         SELECT
*
118
119
120
121
122
123
124
125
126
127
128
129
130
131
         year),
prev_year_revenue AS [[
SELECT
         LAG(revenue) OVER (ORDER BY year ASC) AS prev_revenue FROM
         yearly_revenue)
SELECT
         (revenue-prev_revenue)/prev_revenue*100 AS per_increase FROM
          prev_year_revenue;
                                                                                                                                                                                 Press Alt+F1 for accessibility options.
  Query results
                                                                                                                                                                             EXECUTION GRAPH
                                                                                                                                                                                  Go to Settings to activate Windows.
      PERSONAL HISTORY
                                    PROJECT HISTORY
                                                                                                                                                                                                                 CREFRESH ^
```

