Sales schema contain 5 tables names

1. Customer
2. Date
3. Market
4. Product
5. Transactions

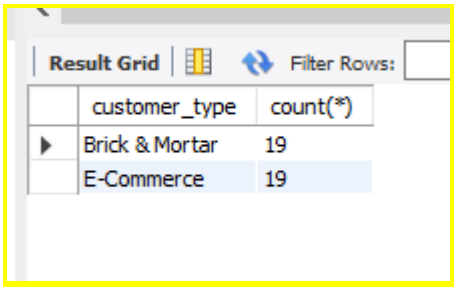
SQL queries for the purpose of analysis.

1) To know how many columns are there in particular table

```
select count(*) as no_of_columns from information_schema.columns where table_schema="sales" and table_name="transactions" ;
```

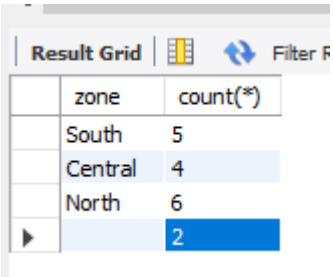
2) Out of 38 customers 19 are brick & mortar type and 19 are e-commerce type

```
select customer_type,count(*) from sales.customers group by customer_type;
```



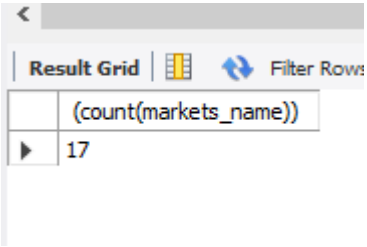
3) The company has more stores in the north zone than other zones .2 is the count of stores in new york and paris but unfortunately atliq has the stores in india only so we have to clean it .

```
select zone,count(*) from sales.markets group by zone;
```



4) total number of markets across India .

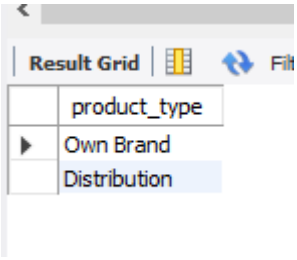
```
select distinct(count(markets_name)) from sales.markets;
```



(count(markets_name))
17

5) Types of product we have are there own brand and distributors

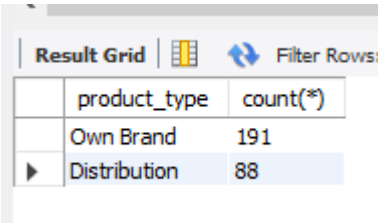
```
select distinct(product_type) from sales.products;
```



product_type
Own Brand
Distribution

6) Count of products with their types

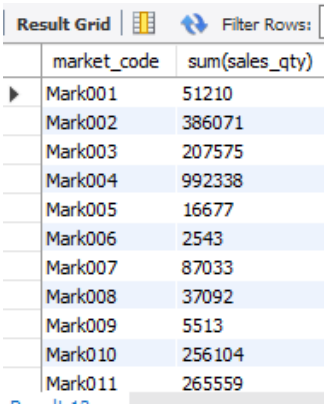
```
select product_type,count(*) from sales.products group by product_type
```



product_type	count(*)
Own Brand	191
Distribution	88

7) sales quantity with market code

```
select market_code, sum(sales_qty) from sales.transactions group by market_code;
```



market_code	sum(sales_qty)
Mark001	51210
Mark002	386071
Mark003	207575
Mark004	992338
Mark005	16677
Mark006	2543
Mark007	87033
Mark008	37092
Mark009	5513
Mark010	256104
Mark011	265559

8) Top 5 customers with the highest number of sales quantities .

```
select transactions.customer_code,sum(sales_qty) from sales.transactions group by customer_code order by sum(sales_qty) desc limit 5;
```

Result Grid | Filter Rows:

customer_code	sum(sales_qty)
Cus006	655092
Cus005	281361
Cus001	176931
Cus003	140906
Cus004	134499

9) Number of products sold across different market_places .

```
select product_code , sum(sales_qty) from sales.transactions group by product_code;
```

Result Grid | Filter Rows:

product_code	sum(sales_qty)
Prod001	206
Prod002	16
Prod003	1512
Prod004	128
Prod005	1436
Prod006	16
Prod007	22
Prod008	80
Prod009	106
Prod010	244
Prod011	316
Prod012	66

Result 20

10) Top 5 product sales

```
select product_code , sum(sales_qty) from sales.transactions group by product_code order by sum(sales_qty) desc limit 5;
```

Result Grid | Filter Rows:

product_code	sum(sales_qty)
Prod090	279226
Prod239	171255
Prod237	114191
Prod318	74384
Prod245	72940