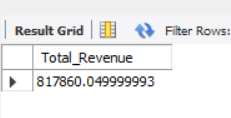
**PIZZA SALES SQL QUERY**

**A.KPI’s:-**

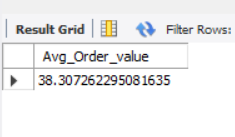
**1.Total Revenue:-**

**\*\***select sum(total\_price) AS Total\_Revenue from pizza\_sales



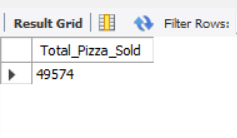
**2.Average Order Value**

\*\*select sum(total\_price)/count(distinct order\_id) Avg\_Order\_value from pizza\_sales



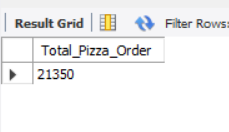
**3.Total Pizzas Sold**

**\*\*** **select sum(quantity) as Total\_Pizza\_Sold from pizza\_sales**

****

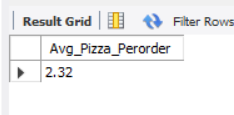
**4.Total Pizzas Order**

\*\*select count(distinct order\_id) as Total\_Pizza\_Order from pizza\_sales

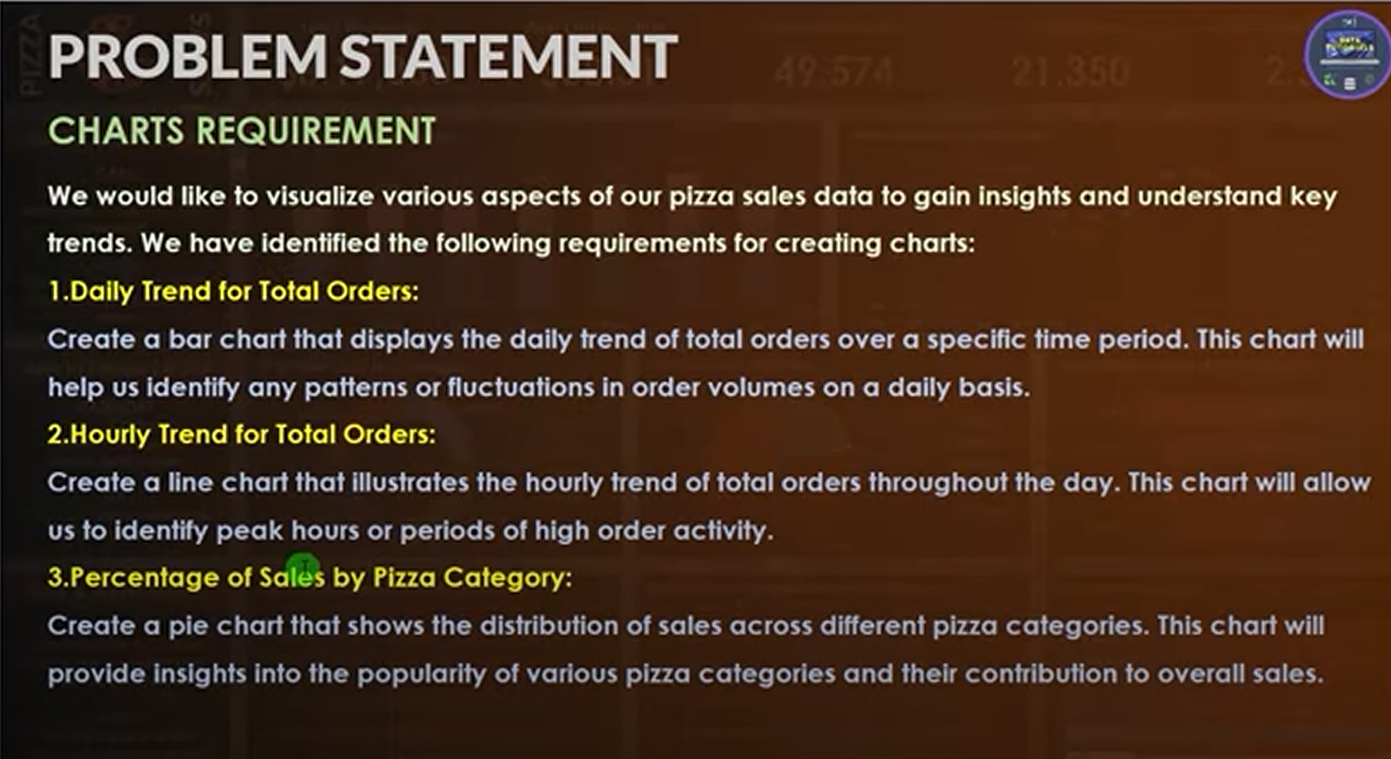


**4.Avg\_Pizzas Per Order**

\*\*select cast(cast(sum(quantity) as decimal(10,2)) /cast(count(distinct order\_id) as decimal(10,2)) as decimal(10,2)) as Avg\_Pizza\_Perorder from pizza\_sales



**B.Charts Requirement:-**

****

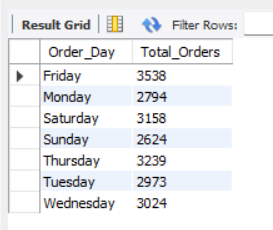
**1.Daily Trend for Total Orders:**

**\*\***select Dayname(str\_to\_date(order\_date,'%d-%m-%Y')) as Order\_Day ,

count(distinct order\_id) as Total\_Orders

from pizza\_sales

group by Dayname(str\_to\_date(order\_date,'%d-%m-%Y'));

****

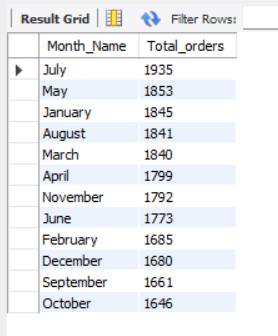
**2.Hourly Trend for TotalOrders:**

select monthname(str\_to\_date(order\_date,'%d-%m-%Y')) as Month\_Name, count(distinct order\_id) as Total\_orders

from pizza\_sales

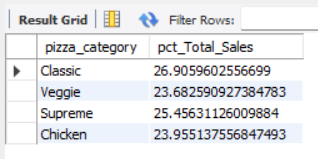
group by monthname(str\_to\_date(order\_date,'%d-%m-%Y'))

order by Total\_orders desc;



**3.Percentage of Sales by Pizza Category:**

* select pizza\_category,sum(total\_price)\*100/ (select sum(total\_price) from pizza\_sales) as pct\_Total\_Sales
* from pizza\_sales
* group by pizza\_category;



----**ORDERS OF HIGHEST CATEGORY OF PIZZA**------------------------------------------------------------------------

select pizza\_category,sum(total\_price) as Total\_sales,sum(total\_price)\*100/ (select sum(total\_price) from pizza\_sales where monthname(str\_to\_date(order\_date,'%d-%m-%Y')) = 'January') as pct\_Total\_Sales

from pizza\_sales

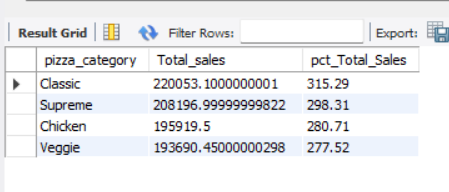
group by pizza\_category

select pizza\_category,sum(total\_price) as Total\_sales,CAST(sum(total\_price)\*100/ (select sum(total\_price) from pizza\_sales where monthname(str\_to\_date(order\_date,'%d-%m-%Y')) = 'January') AS DECIMAL(10,2))as pct\_Total\_Sales

from pizza\_sales

group by pizza\_category

ORDER BY pct\_Total\_Sales desc ;

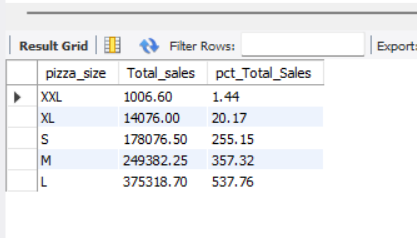
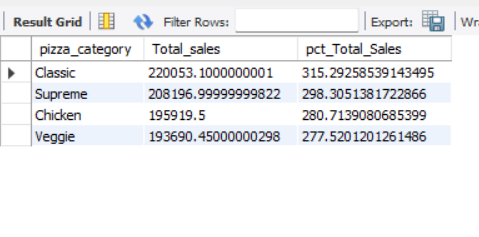


select pizza\_size,cast(sum(total\_price) as decimal(10,2)) as Total\_sales,CAST(sum(total\_price)\*100/ (select sum(total\_price) from pizza\_sales where monthname(str\_to\_date(order\_date,'%d-%m-%Y')) = 'January') AS DECIMAL(10,2))as pct\_Total\_Sales

from pizza\_sales

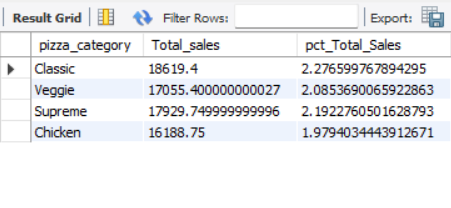
group by pizza\_size

order by pct\_Total\_Sales;

* ORDER BY pct\_Total\_Sales desc ;
* 
* 

**----EXAMPLES----**Sales only in month of January

* select pizza\_category,sum(total\_price) as Total\_sales,sum(total\_price)\*100/ (select sum(total\_price) from pizza\_sales) as pct\_Total\_Sales
* from pizza\_sales
* where monthname(str\_to\_date(order\_date,'%d-%m-%Y')) = 'January'
* group by pizza\_category;

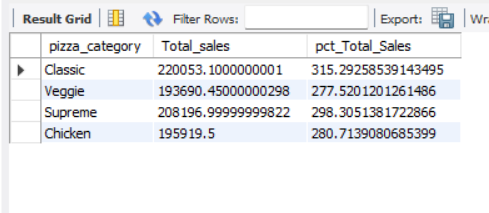


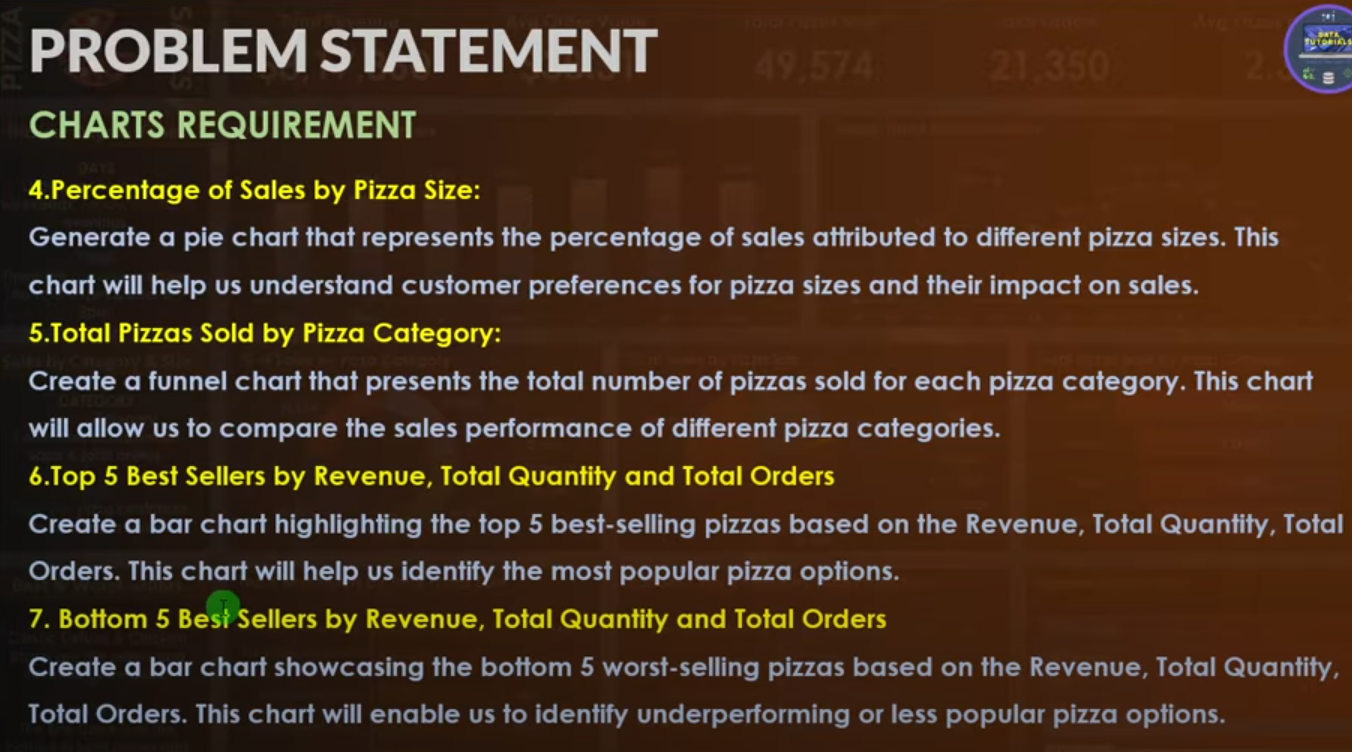
------Where clause should use with subquery

select pizza\_category,sum(total\_price) as Total\_sales,sum(total\_price)\*100/ (select sum(total\_price) from pizza\_sales where monthname(str\_to\_date(order\_date,'%d-%m-%Y')) = 'January') as pct\_Total\_Sales

from pizza\_sales

* + **group by pizza\_category;**





6.**Top 5 Best sellers by revenue(total\_sales),total quantity and total orders**

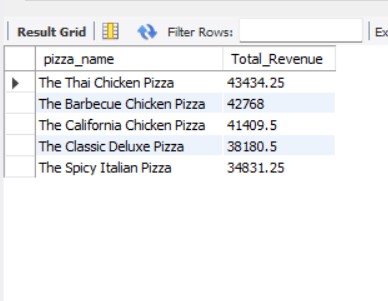
**select pizza\_name,sum(total\_price) as Total\_Revenue**

**from pizza\_sales**

**group by pizza\_name**

**order by Total\_Revenue desc**

**limit 5;**

****

**Bottom 5 -------**

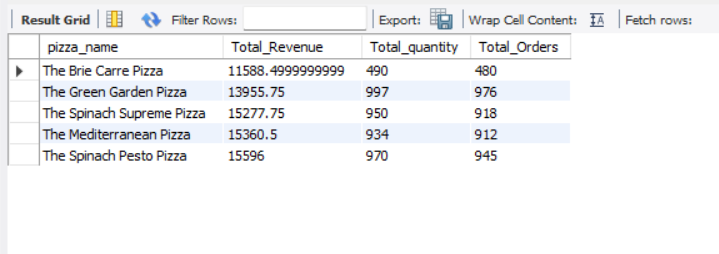
**select pizza\_name,sum(total\_price) as Total\_Revenue,sum(quantity) as Total\_quantity,count( distinct order\_id) as Total\_Orders**

**from pizza\_sales**

**group by pizza\_name**

**order by Total\_Revenue ,Total\_quantity,Total\_Orders asc**

**limit 5;**

****

Powerbi query

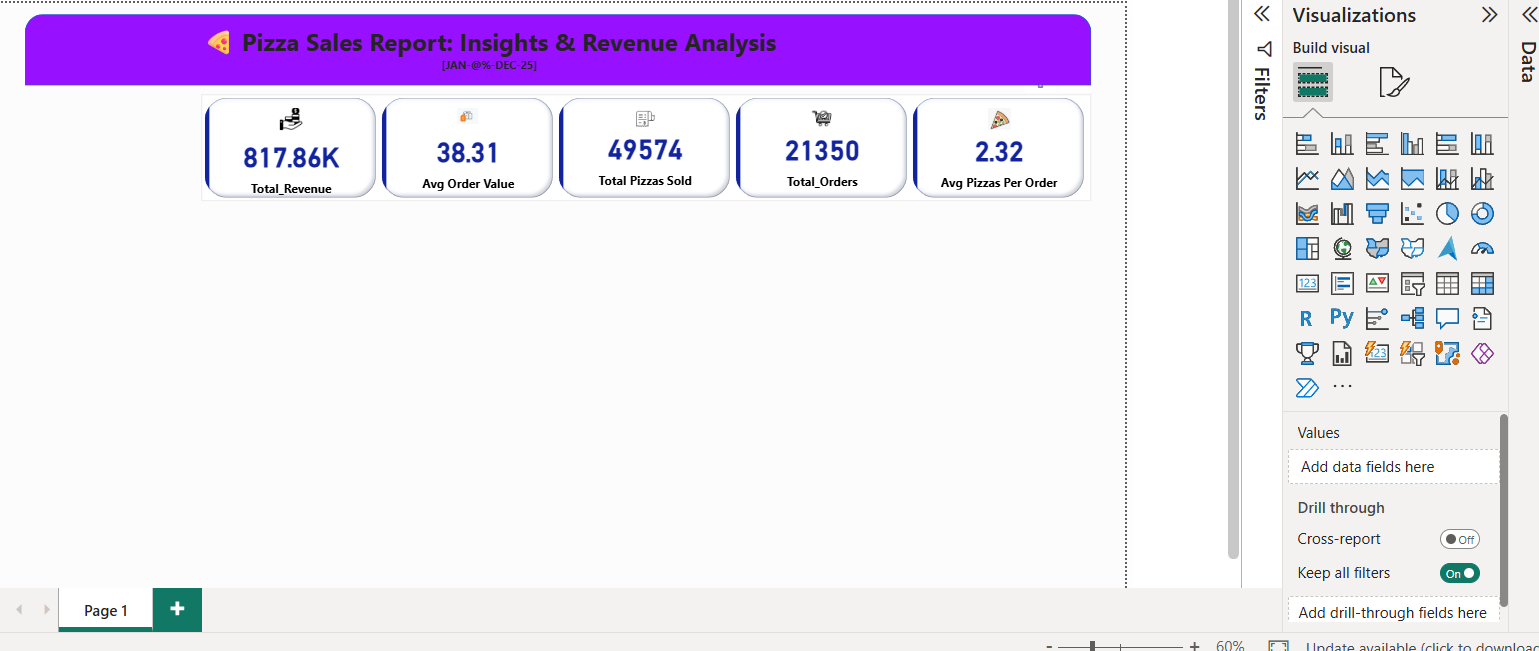
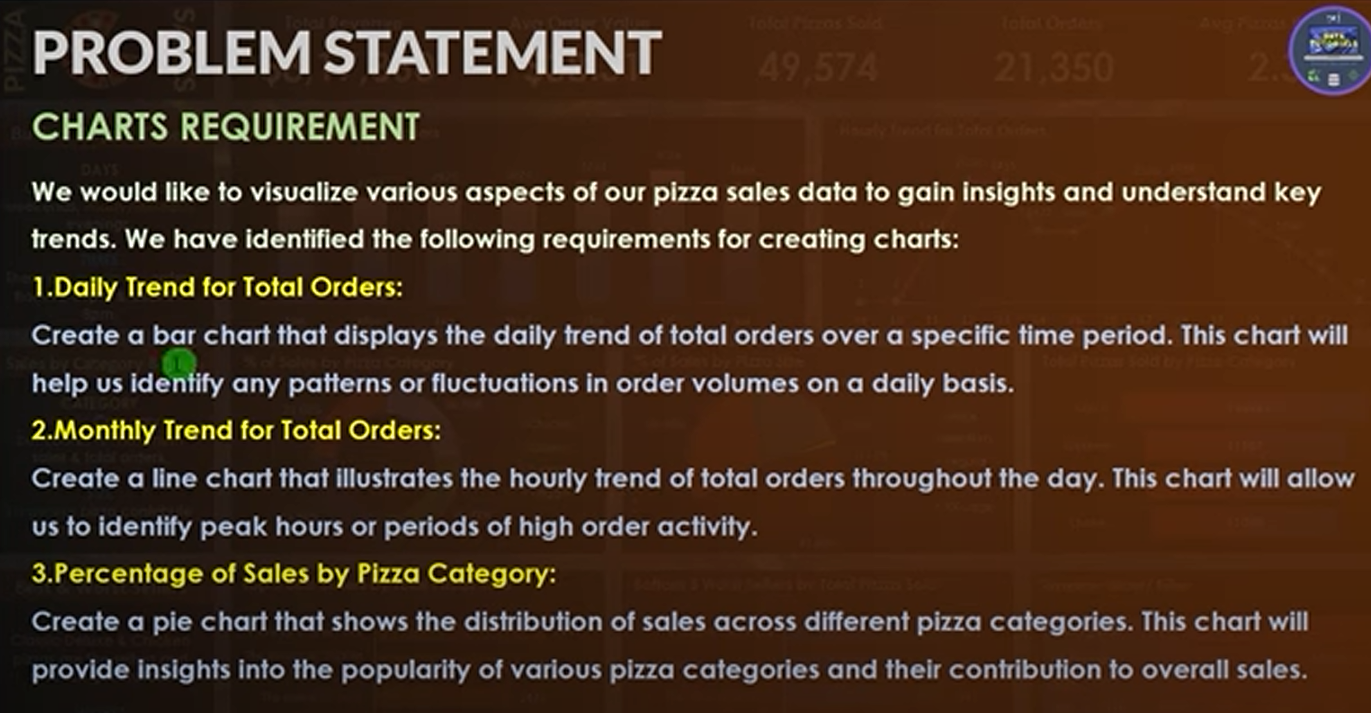
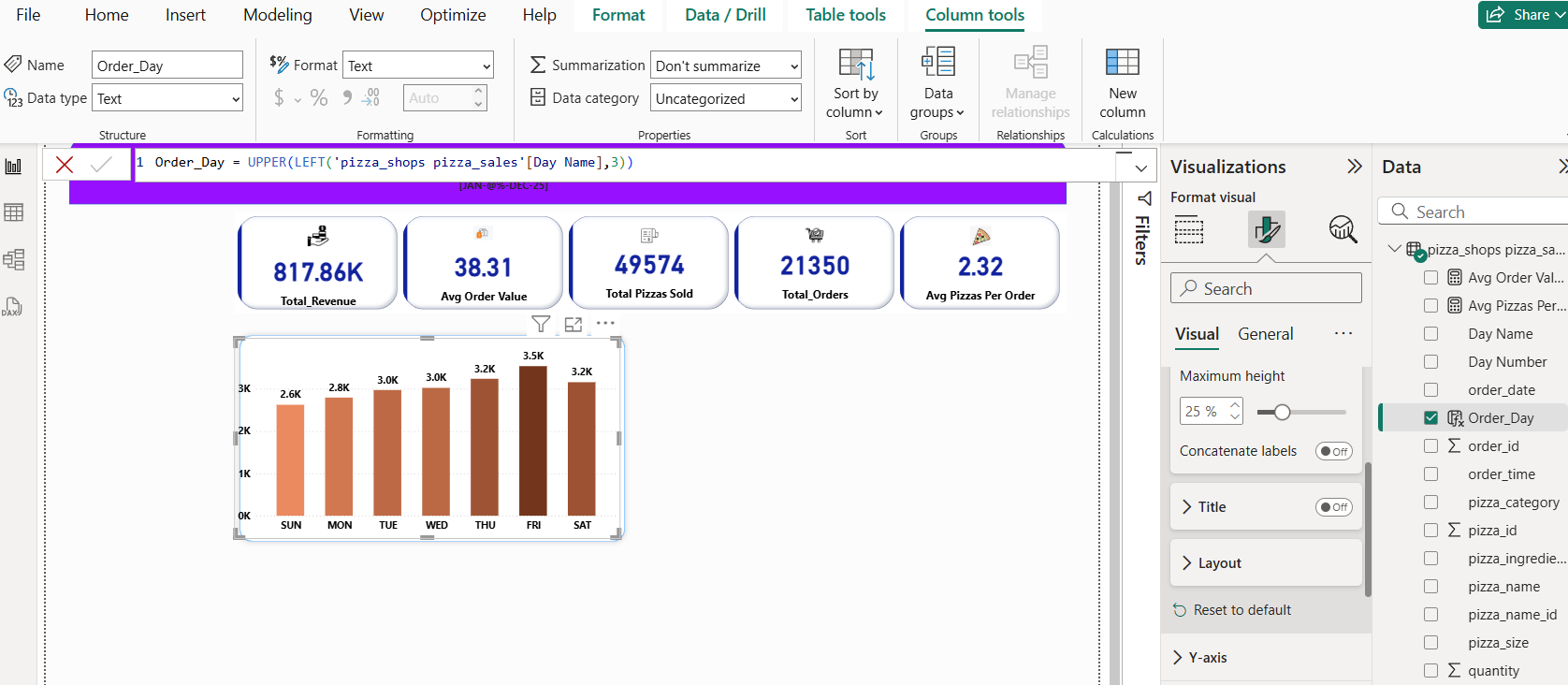
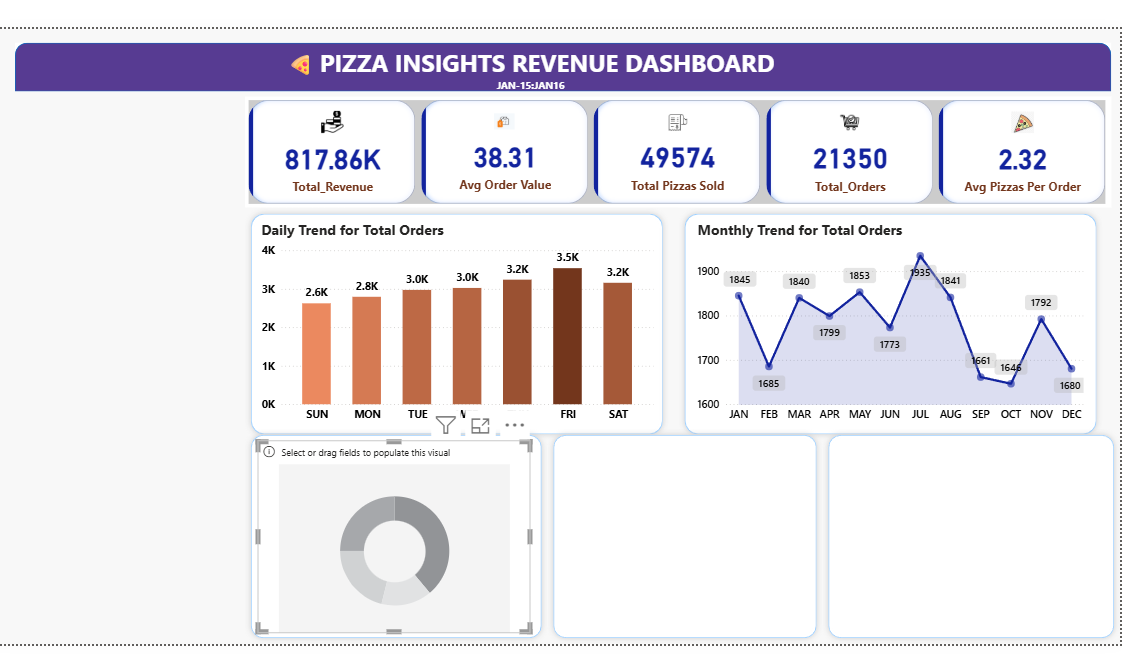
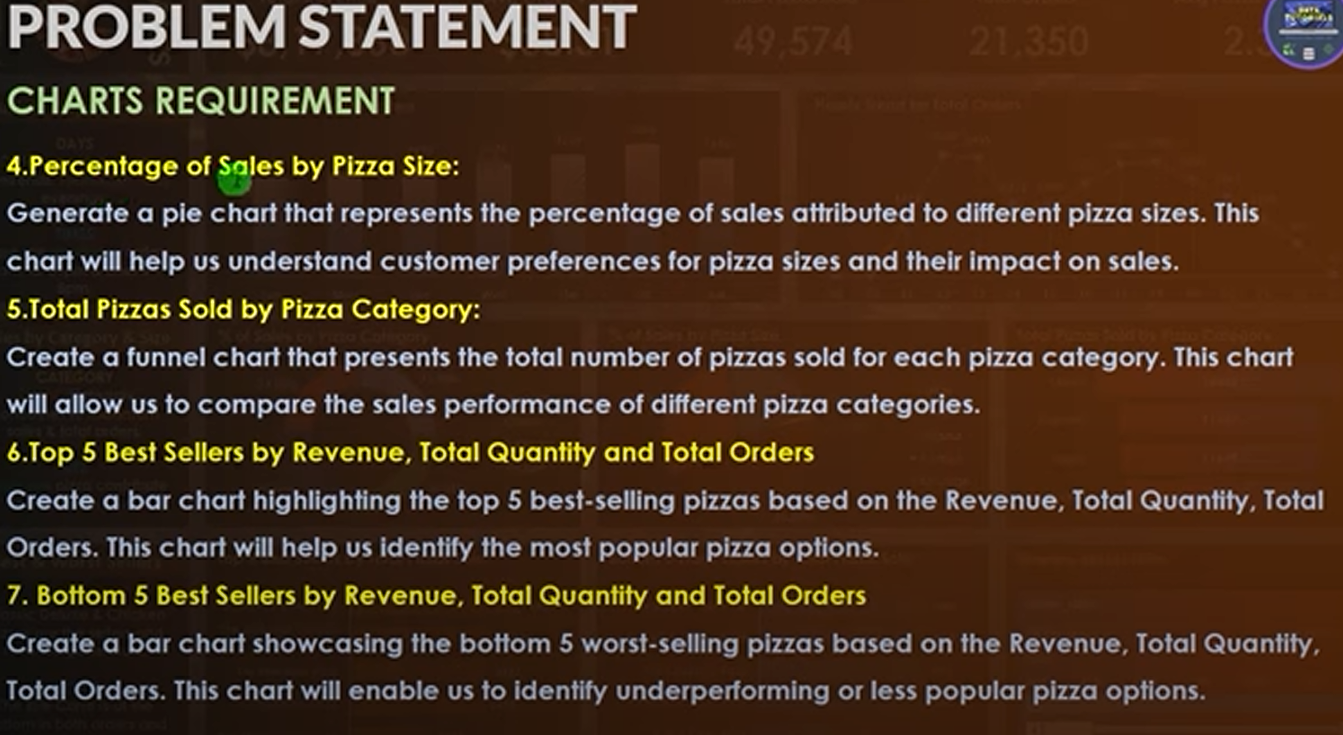
B.EDA

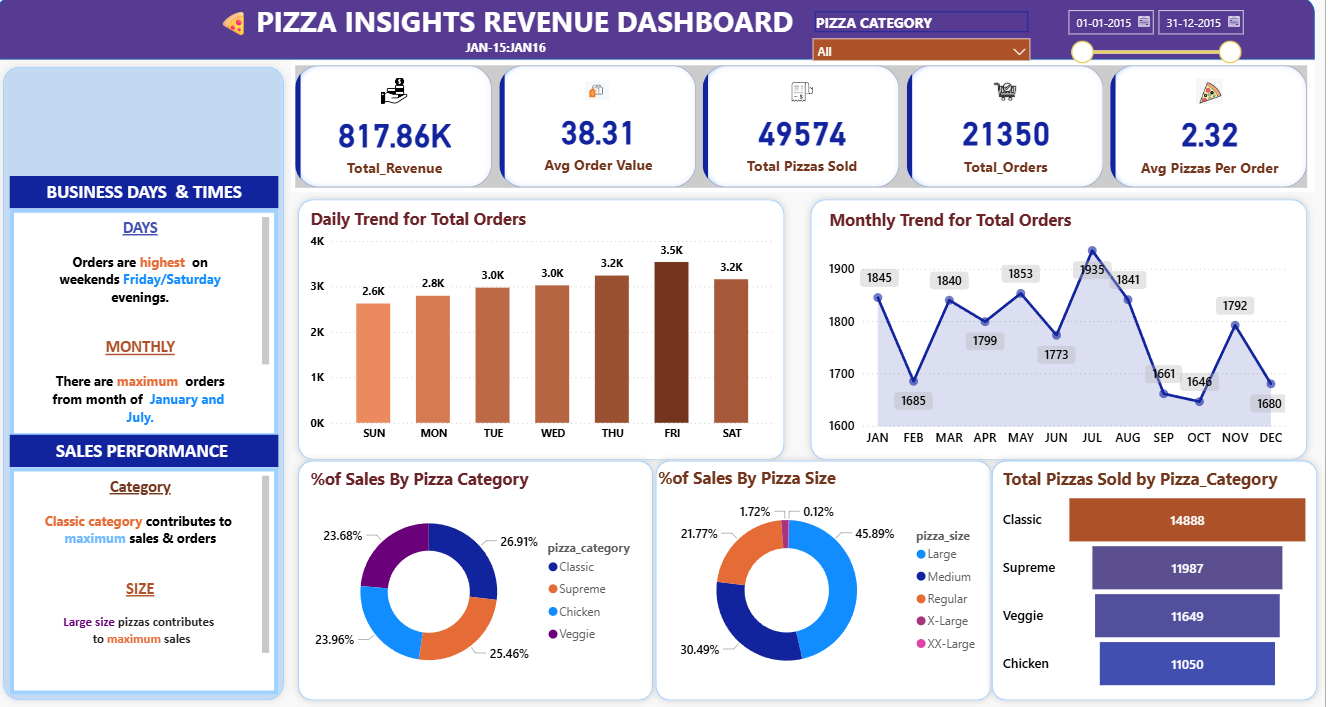
1.Load data from mysql database

2.Data Cleaning

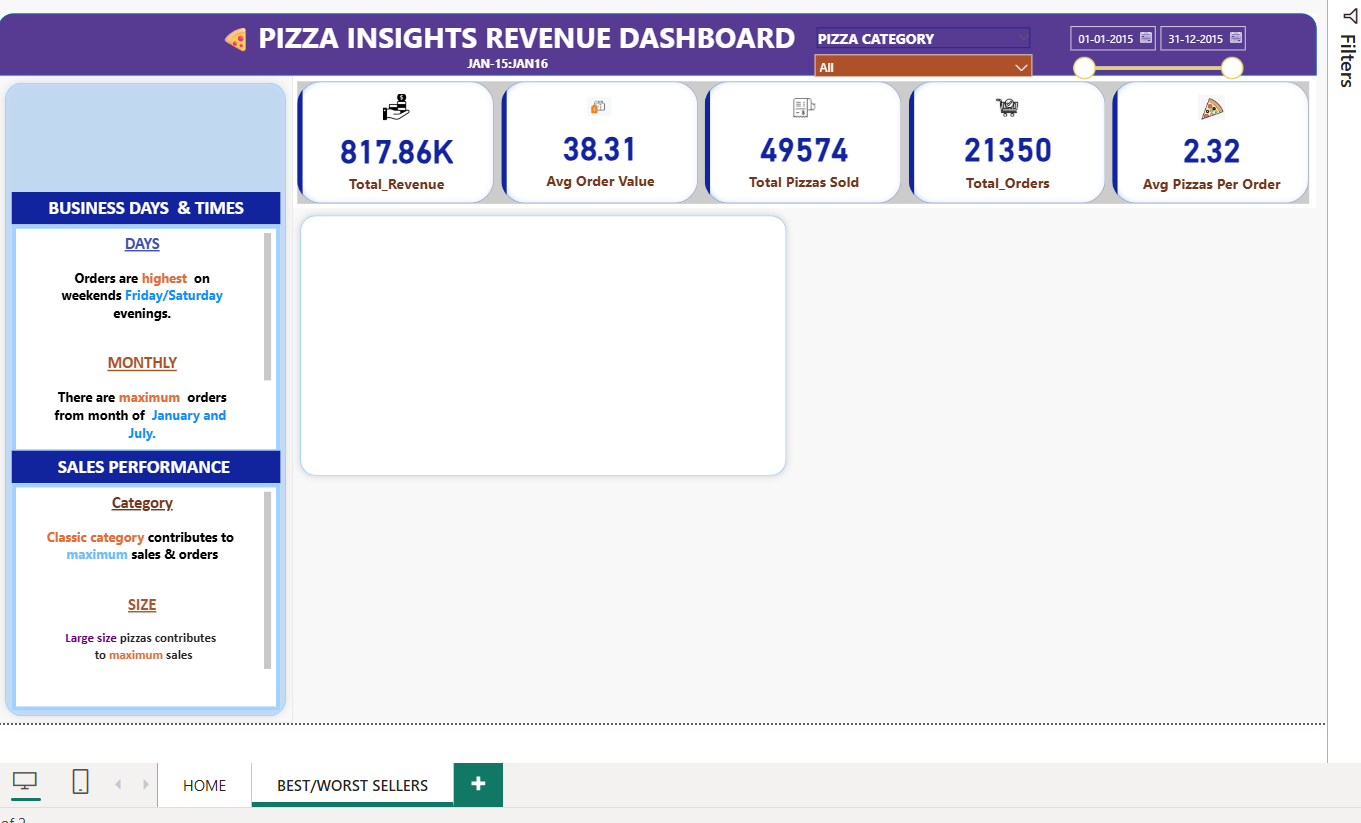
* Pizza size-L,M,XXL---gives full name
* **Home-transform data-power query**
* **Select-pizza\_size-right click-replace values [L-Large,M-Medium,XL-X-Large…**
* **Close and apply**

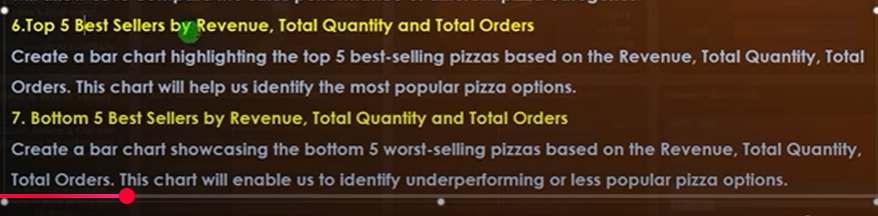


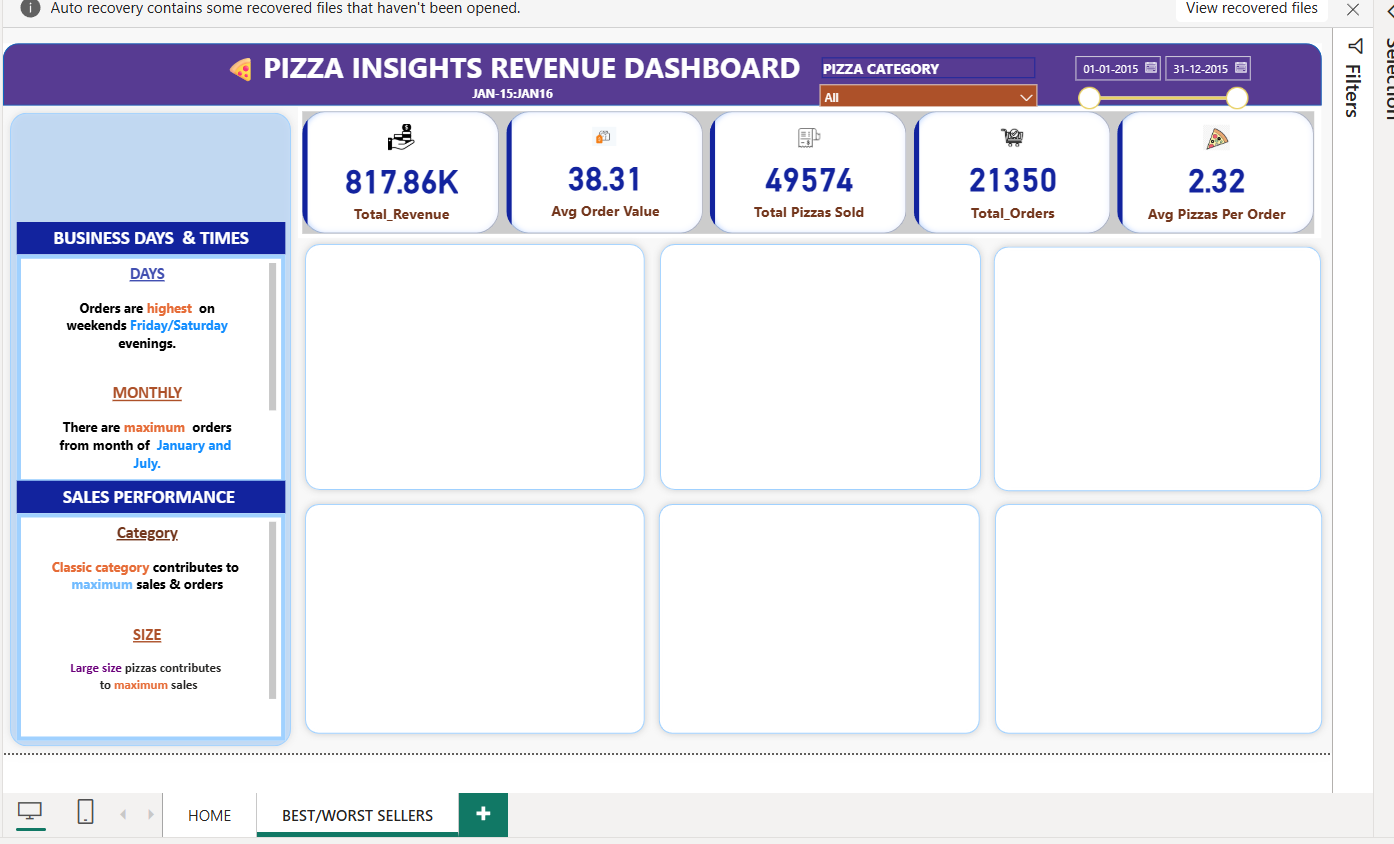
* USE DAX FUNCTION
* RIGHT CLICK ON ANY ATTRIBUTE-MEASURE
* **1.Total\_Revenue = sum( 'pizza\_shops pizza\_sales'[total\_price])**
* **4.Total\_Orders = DISTINCTCOUNT( 'pizza\_shops pizza\_sales'[order\_id])**
* **2.Avg Order Value = [Total\_Revenue]/[Total\_Orders]**
* **3.Total Pizzas Sold = sum('pizza\_shops pizza\_sales'[quantity])**
* **5.** **Avg Pizzas Per Order= [Total Pizzas Sold]/[Total\_Orders]**
* Go to Visuals-New Card-Create KPI
* 
* Create Charts
* 
* 
* 
* Total Revenue by pizza category
* X-axis-Pizza category
* Y-axis-Total revenue
* Total Revenue by pizza Size
* X-axis-Pizza Size
* Y-axis-Total revenue
* ----rotation -2%
* 
* % of sales by pizza sale
* X-axis-
* Y-axis-



---------------------------------------------------------------------------NEXT PAGE-BEST/WORST SELLERS





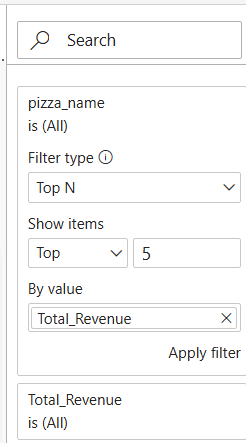


--TOTAL SELLERS BY REVENUE

---BAR CHART

X-AXIS=PIZZA NAME,Y-AXIS==TOTAL REVENUE

FILTER SECTION

 APPLY FILTER

