**DOCUMENTATION FOR PIZZA SALES ANALYSIS**

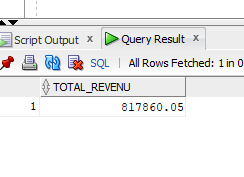
**KPI’s Requirement**

We need to analyse key indicators for our pizza sales data to gain insights into our business performance. Specifically, we want to calculate following Metrics.

**1.Total Revenue**

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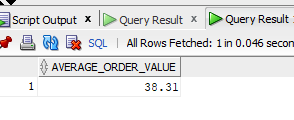
Select sum(total\_price) as Total\_Revenu from pizza;



**2.Average order value**

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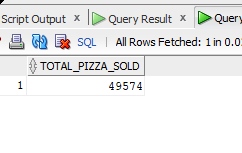
select round((sum(total\_price)/count(Distinct order\_id)),2) as Average\_order\_value from pizza\_sales;



**3.Total pizzas sold**

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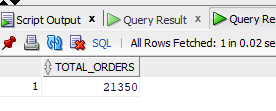
Select sum(Quantity) as Total\_pizza\_sold from pizza\_sales;



**4.Total orders**

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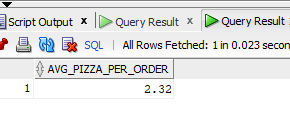
select count(distinct order\_id) as Total\_orders from pizza\_sales;



**5.Average pizza per order**

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Select round((sum(Quantity)/(count(distinct order\_id))),2) as Avg\_pizza\_per\_order from pizza\_sales;



* After Exploring data in Oracle SQL, we are using power BI for Visualization for KPI’s



**Charts Requirements**

We Would like to visualize various aspects of our pizza sales data to gain insights and understand key trends. We have identified the following requirements for creating charts

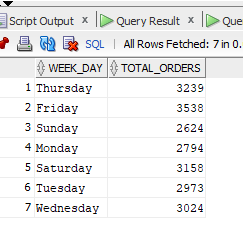
**6.Daily Trend for total Orders**

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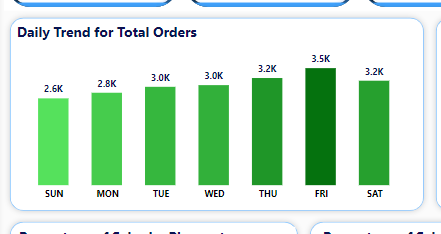
select to\_char(order\_date,'Day') as Week\_day, count(distinct order\_id) as total\_orders

from pizza\_sales

group by to\_char(order\_date,'Day');



* After Exploring data in Oracle SQL. We are cleaning the data using power query in power BI. we are using power BI for visualise the Daily Trend for total orders



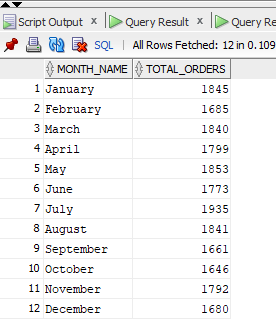
**7.Monthly trend for total orders**

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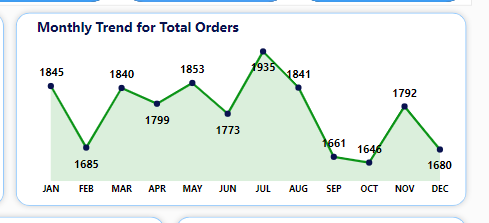
select to\_char(order\_date,'Month') as Month\_name, count(distinct order\_id) as total\_orders

from pizza\_sales

group by to\_char(order\_date,'Month');



* After Exploring data in Oracle SQL. We are cleaning the data using power query in power BI. we are using power BI for visualise the Monthly trend for total orders



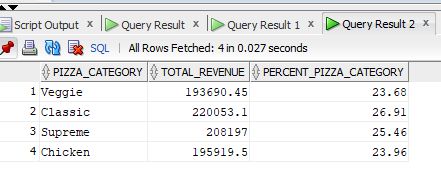
**8.Percentage of sales by pizza category**

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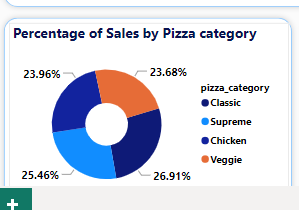
--select sum(total\_price) from pizza\_sales

select pizza\_category, sum(total\_price) as total\_revenue, round(sum(total\_price)\*100/(Select sum(total\_price) from pizza\_sales),2) as percent\_pizza\_category from pizza\_sales

group by pizza\_category



* After Exploring data in Oracle SQL. We are cleaning the data using power query in power BI. we are using power BI for visualise the Percentage of sales by pizza category

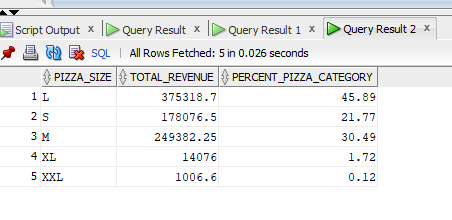


**9.percentage of sales by pizza size**

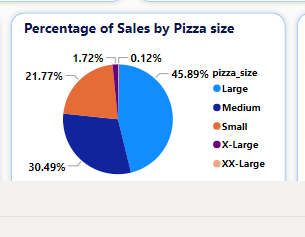
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select pizza\_size, sum(total\_price) as total\_revenue, round(sum(total\_price)\*100/(Select sum(total\_price) from pizza\_sales),2) as percent\_pizza\_category from pizza\_sales

group by pizza\_size



* After Exploring data in Oracle SQL. We are cleaning the data using power query in power BI. we are using power BI for visualise the percentage of sales by pizza size



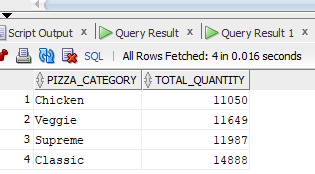
**10.Total pizzas sold by pizza category**

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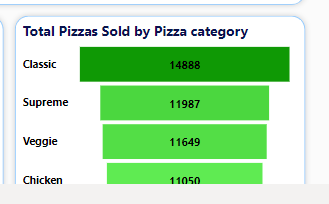
select pizza\_category, sum(Quantity) as total\_Quantity from pizza\_sales

group by pizza\_category

order by 2



* After Exploring data in Oracle SQL. We are cleaning the data using power query in power BI. we are using power BI for visualise the Total pizzas sold by pizza category



**11.Top 5 best sellers by revenue**

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SELECT pizza\_name, SUM(total\_price) AS Total\_Revenue

FROM pizza\_sales

GROUP BY pizza\_name

ORDER BY Total\_Revenue DESC

fetch first 5 rows only

-- usin CTE

with row\_num as

(

SELECT pizza\_name, SUM(total\_price) AS Total\_Revenue

FROM pizza\_sales

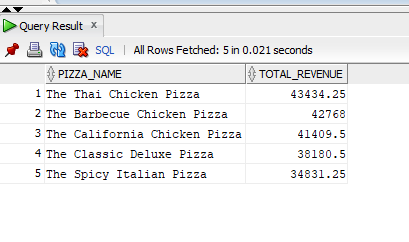
GROUP BY pizza\_name

ORDER BY Total\_Revenue DESC

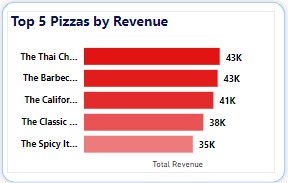
)

select pizza\_name, total\_revenue from row\_num

where rownum <= 5



* After Exploring data in Oracle SQL. We are cleaning the data using power query in power BI. we are using power BI for visualise the Top 5 best sellers by revenue



**12. Bottom 5 pizzas**

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SELECT pizza\_name, SUM(total\_price) AS Total\_Revenue

FROM pizza\_sales

GROUP BY pizza\_name

ORDER BY Total\_Revenue

fetch first 5 rows only

--Using CTE

with row\_num as

(

SELECT pizza\_name, SUM(total\_price) AS Total\_Revenue

FROM pizza\_sales

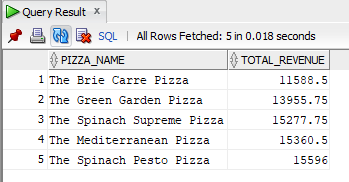
GROUP BY pizza\_name

ORDER BY Total\_Revenue

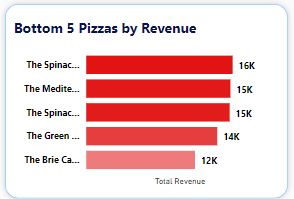
)

select pizza\_name, total\_revenue from row\_num

where rownum <= 5



* After Exploring data in Oracle SQL. We are cleaning the data using power query in power BI. we are using power BI for visualise the Bottom 5 pizzas by revenue



**13. Top 5 pizzas by Quantity**

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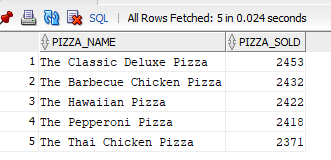
SELECT pizza\_name, SUM(Quantity) AS pizza\_sold

FROM pizza\_sales

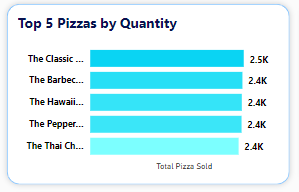
GROUP BY pizza\_name

ORDER BY pizza\_sold desc

fetch first 5 rows only



* After Exploring data in Oracle SQL. We are cleaning the data using power query in power BI. we are using power BI for visualise the Top 5 pizzas by Quantity



**14.bottom 5 pizzas by quantity**

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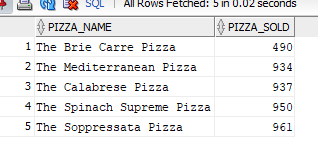
SELECT pizza\_name, SUM(Quantity) AS pizza\_sold

FROM pizza\_sales

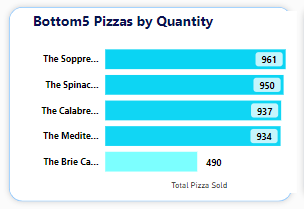
GROUP BY pizza\_name

ORDER BY pizza\_sold

fetch first 5 rows only



* After Exploring data in Oracle SQL. We are cleaning the data using power query in power BI. we are using power BI for visualise the bottom 5 pizzas by quantity.



**15.Top 5 pizzas by total orders**

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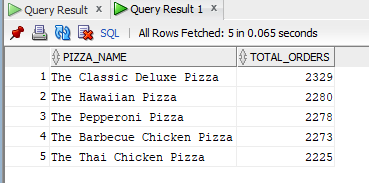
SELECT pizza\_name, count(distinct order\_id) AS total\_orders

FROM pizza\_sales

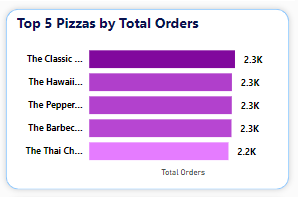
GROUP BY pizza\_name

ORDER BY total\_orders desc

fetch first 5 rows only



* After Exploring data in Oracle SQL. We are cleaning the data using power query in power BI. we are using power BI for visualise the Top 5 pizzas by total orders.



**16.bottom 5 pizzas by total orders**

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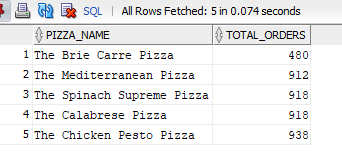
SELECT pizza\_name, count(distinct order\_id) AS total\_orders

FROM pizza\_sales

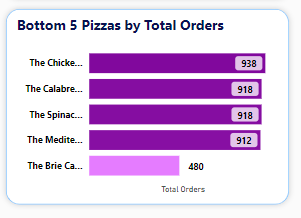
GROUP BY pizza\_name

ORDER BY total\_orders

fetch first 5 rows only



* After Exploring data in Oracle SQL. We are cleaning the data using power query in power BI. we are using power BI for visualise the bottom 5 pizzas by total orders.



**Complete Visualization for Pizza Sales**

