**PIZZA SALES SQL QUERIES**

**A. KPI’s**

**1. Total Revenue:**

SELECT SUM(total\_price) AS Total\_Revenue FROM Pizza\_sales;

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**2. Average Order Value**

SELECT (SUM(total\_price) / COUNT(DISTINCT order\_id)) AS Avg\_order\_Value FROM Pizza\_sales

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**3. Total Pizzas Sold**

SELECT SUM(quantity) AS Total\_pizza\_sold FROM Pizza\_sales

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**4. Total Orders**

SELECT COUNT(DISTINCT order\_id) AS Total\_Orders FROM Pizza\_sales

A close up of a computer screen

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**5. Average 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\_Pizzas\_per\_order

FROM Pizza\_sales

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**B. Daily Trend for Total Orders  
SELECT TO\_CHAR(order\_date,'FMDay'),COUNT(DISTINCT order\_id) AS total\_orders**

**FROM Pizza\_sales**

**GROUP BY TO\_CHAR(order\_date,'FMDay');**

***Output:***

A screenshot of a computer

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**C. Monthly Trend for Orders**

select DATENAME(MONTH, order\_date) as Month\_Name, COUNT(DISTINCT order\_id) as Total\_Orders

from Pizza\_sales

GROUP BY DATENAME(MONTH, order\_date)***Output***

A screenshot of a calendar

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**D. % of Sales by Pizza Category**

SELECT pizza\_category, CAST(SUM(total\_price) AS DECIMAL(10,2)) as total\_revenue,

CAST(SUM(total\_price) \* 100 / (SELECT SUM(total\_price) from Pizza\_sales WHERE EXTRACT(MONTH FROM order\_date) = 1) AS DECIMAL(10,2)) AS PCT

FROM Pizza\_sales

WHERE EXTRACT(MONTH FROM order\_date) = 1 #January

GROUP BY pizza\_category

***Output***

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**E. % of Sales by Pizza Size**

SELECT pizza\_size, CAST(SUM(total\_price) AS DECIMAL(10,2)) as total\_revenue,

CAST(SUM(total\_price) \* 100 / (SELECT SUM(total\_price) from Pizza\_sales) AS DECIMAL(10,2)) AS PCT

FROM Pizza\_sales

GROUP BY pizza\_size

ORDER BY pizza\_size

***Output***

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**F. Total Pizzas Sold by Pizza Category**

SELECT pizza\_category, SUM(quantity) as Total\_Quantity\_Sold

FROM Pizza\_sales

WHERE MONTH(order\_date) = 2

GROUP BY pizza\_category

ORDER BY Total\_Quantity\_Sold DESC

***Output***

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**G. Top 5 Pizzas by Revenue**

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

FROM Pizza\_sales

GROUP BY pizza\_name

ORDER BY Total\_Revenue DESC LIMIT5;

A screenshot of a menu

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**H. Bottom 5 Pizzas by Revenue**

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

FROM Pizza\_sales

GROUP BY pizza\_name

ORDER BY Total\_Revenue ASC LIMIT 5;

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**I. Top 5 Pizzas by Quantity**

SELECT pizza\_name, SUM(quantity) AS Total\_Pizza\_Sold

FROM Pizza\_sales

GROUP BY pizza\_name

ORDER BY Total\_Pizza\_Sold DESC LIMIT 5 ;

***Output***

A screenshot of a menu

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**J. Bottom 5 Pizzas by Quantity**

SELECT pizza\_name, SUM(quantity) AS Total\_Pizza\_Sold

FROM Pizza\_sales

GROUP BY pizza\_name

ORDER BY Total\_Pizza\_Sold ASC LIMIT 5;

***Output***

A screenshot of a menu

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**K. Top 5 Pizzas by Total Orders**

SELECT pizza\_name, COUNT(DISTINCT order\_id) AS Total\_Orders

FROM Pizza\_sales

GROUP BY pizza\_name

ORDER BY Total\_Orders DESC LIMIT 5;

A screenshot of a menu

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**L. Bottom 5 Pizzas by Total Orders**

SELECT Top 5 pizza\_name, COUNT(DISTINCT order\_id) AS Total\_Orders

FROM Pizza\_sales

GROUP BY pizza\_name

ORDER BY Total\_Orders ASC

A screenshot of a menu

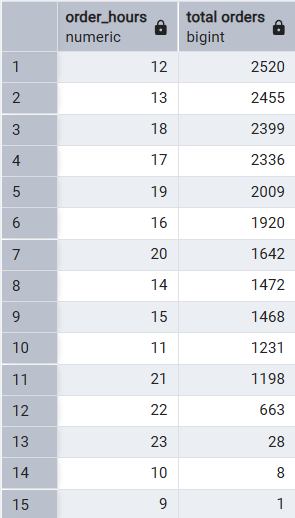
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***M.*** **Hourly trend of orders**

***SELECT EXTRACT(HOUR FROM order\_time) AS order\_hours, COUNT(DISTINCT(order\_id)) as "total orders" FROM Pizza\_sales***

***GROUP BY order\_hours***

***ORDER BY COUNT(DISTINCT(order\_id)) DESC;***



***NOTE***

If you want to apply the pizza\_category or pizza\_size filters to the above queries you can use WHERE clause. Follow some of below examples

SELECT Top 5 pizza\_name, COUNT(DISTINCT order\_id) AS Total\_Orders

FROM Pizza\_sales

WHERE pizza\_category = 'Classic'

GROUP BY pizza\_name

ORDER BY Total\_Orders ASC