**1. Total Revenue:**

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



**2. Average Order Value**

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



**3. Total Pizzas Sold**

SELECT SUM(quantity) AS Total\_pizza\_sold FROM pizza\_sales\_data;



**4. Total Orders**

SELECT COUNT(DISTINCT order\_id) AS Total\_Orders FROM pizza\_sales\_data;



**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\_data;



**More data analysis requirements:**

1.Daily Trend for Total Orders:

Analyse how the total number of orders changes on a daily basis.

2.Hourly Trend for Total Orders:

Investigate the hourly fluctuations in the total number of orders.

3.Percentage of Sales by Pizza Category:

Determine the proportion of sales attributed to each pizza category.

4.Percentage of Sales by Pizza Size: Calculate the percentage distribution of sales based on different pizza sizes.

5.Total Pizzas Sold by Pizza Category:

Examine the overall quantity of pizzas sold within each pizza category.

6.Top 5 Best Sellers by Total Pizzas Sold:

Identify the top 5 pizzas that have the highest total sales.

7.Bottom 5 Worst Sellers by Total Pizzas Sold:

Identify the bottom 5 pizzas with the lowest total sales.

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

**1.Daily total orders:**

SELECT DATENAME(DW, order\_date) AS order\_day, COUNT(DISTINCT order\_id) AS total\_orders

FROM pizza\_sales\_data

GROUP BY DATENAME(DW, order\_date);

***Output:***

****

**2. Hourly Trend for Orders:**

SELECT DATEPART(HOUR, order\_time) as order\_hours, COUNT(DISTINCT order\_id) as total\_orders

from pizza\_sales\_data

group by DATEPART(HOUR, order\_time)

order by DATEPART(HOUR, order\_time);

***Output***

****

**3. % 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) AS DECIMAL(10,2)) AS PCT

FROM pizza\_sales\_data

GROUP BY pizza\_category;

***Output***

****

**4.% 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\_data

GROUP BY pizza\_size

ORDER BY pizza\_size

***Output***

****

**5.Total Pizzas Sold by Pizza Category:**

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

FROM pizza\_sales\_data

WHERE MONTH(order\_date) = 2

GROUP BY pizza\_category

ORDER BY Total\_Quantity\_Sold DESC

***Output***

****

**6.Top 5 Best Sellers by Total Pizzas Sold:**

SELECT Top 5 pizza\_name, SUM(quantity) AS Total\_Pizza\_Sold

FROM pizza\_sales\_data

GROUP BY pizza\_name

ORDER BY Total\_Pizza\_Sold DESC

***Output***

****

**7.Bottom 5 Best Sellers by Total Pizzas Sold:**

SELECT TOP 5 pizza\_name, SUM(quantity) AS Total\_Pizza\_Sold

FROM pizza\_sales\_data

GROUP BY pizza\_name

ORDER BY Total\_Pizza\_Sold ASC

***Output***

****