**QUERIES FOR Ivan’s Restaurant PIZZA SALE**

1. **Ivan’s Pizza Queries**
2. **Total Revenue**

SELECT ROUND(SUM(total\_price),2) AS total\_revenue

FROM dbo.pizza\_sales



1. **Average Order value**

WITH avg\_order\_value AS (

SELECT ROUND(SUM(total\_price) / COUNT(DISTINCT order\_id), 2) AS average\_order\_value

FROM dbo.pizza\_sales

)

SELECT \* FROM avg\_order\_value;

// Can be simplier but I like to do this one



1. Total Pizzas Sold

SELECT SUM(quantity) AS total\_pizza\_sold

FROM dbo.pizza\_sales



1. **Total Orders**

SELECT COUNT(DISTINCT order\_id) AS total\_pizza\_sold

FROM dbo.pizza\_sales



1. **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 DBO.pizza\_sales



But if full is

SELECT CAST(SUM(quantity) AS DECIMAL(10,2))

/ CAST(COUNT(DISTINCT order\_id) AS DECIMAL(10,2))

AS avg\_pizzas\_per\_order

FROM DBO.pizza\_sales



**CHARTS & their Queries**

1. **Daily Trend**

SELECT order\_day, total\_orders

FROM (

SELECT

DATENAME(WEEKDAY, order\_date) AS order\_day,

COUNT(DISTINCT order\_id) AS total\_orders,

CASE DATENAME(WEEKDAY, order\_date)

WHEN 'Monday' THEN 1

WHEN 'Tuesday' THEN 2

WHEN 'Wednesday' THEN 3

WHEN 'Thursday' THEN 4

WHEN 'Friday' THEN 5

WHEN 'Saturday' THEN 6

WHEN 'Sunday' THEN 7

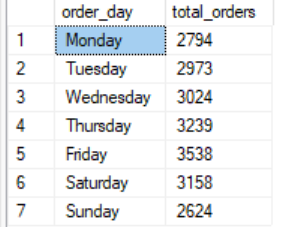
END AS weekday\_number

FROM dbo.pizza\_sales

GROUP BY DATENAME(WEEKDAY, order\_date)

) AS temp

ORDER BY weekday\_number;



-- used a subquery to not show the weekday\_number in the final output

-- Made a CASE WHEN expression so it can be used in the order by clause. The reason for this use is because the output of DATENAME is a weekday name and using order by will Order alphabetically

1. **HOURLY TREND**

WITH HourDay AS (

SELECT DATENAME(HOUR, order\_time) AS time\_of\_hour, order\_id

FROM dbo.pizza\_sales

)

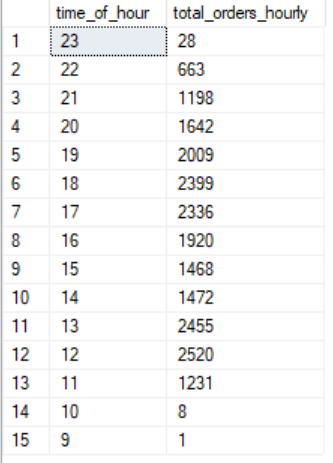
SELECT time\_of\_hour, COUNT(DISTINCT order\_id) AS total\_orders\_hourly

FROM HourDay

GROUP BY time\_of\_hour

ORDER BY CAST(time\_of\_hour AS INT) DESC

--casted as INT because there is a problem when DESC it stays at the top.



1. **.**