Writing SQL queries to answer KPI Requirements

1. Total Revenue: Total sum of the total price of all pizza orders.

-- Sql query to get total revenue: that is the sum price of all the pizzas ordered.

SELECT SUM(total\_price) AS Total\_Revenue

FROM pizza\_sales

A screenshot of a computer

Description automatically generated

1. Average order Value: The average amount spent per order, calculated by dividing the total revenue by the total number of orders.

-- SQL query to get the average spent per order: Average order Value That is the average amount spent per order

SELECT SUM(total\_price)/ COUNT(DISTINCT order\_id) AS Average\_Order\_Price

FROM pizza\_sales

A screenshot of a computer

Description automatically generated

1. Total Pizzas Sold: The Sum of the quantities of all pizzas sold.

-- Sql query total pizzas sold:The sum of the qualities all of pizzas sold

SELECT SUM(quantity) as Total\_Pizza\_Sold

FROM pizza\_sales

A screenshot of a computer

Description automatically generated

1. Total Orders: The total number of orders placed.

-- Sql query total orders:The total numbers of orders placed.

SELECT COUNT(DISTINCT order\_id) as total\_numbers\_of\_orders\_placed

FROM pizza\_sales

A screenshot of a computer

Description automatically generated

1. Average Pizzas Per Order: The average number of pizzas sold per order, calculated by dividing the total number of pizzas sold by the total number of orders.

-- Sql query Average Pizzas Per Order: The average number of pizzas sold per order

SELECT SUM(quantity)/COUNT(DISTINCT order\_id) as average\_number\_of\_pizza\_sold\_per\_order

FROM pizza\_sales

A screenshot of a computer

Description automatically generated

1. Total number of orders placed by days of the week.

-- Sql query total number of orders by days of the week

SELECT DATENAME(DW,order\_date) as order\_day,COUNT(DISTINCT order\_id) AS Total\_Orders

FROM pizza\_sales

GROUP BY DATENAME(DW,order\_date)

A screenshot of a computer

Description automatically generated

7. Hourly trend for number of pizzas ordered.

-- Sql query for hourly trend of pizzas ordered

SELECT DATEPART(HOUR,order\_time) as order\_hours,COUNT(DISTINCT order\_id) AS Total\_Orders

FROM pizza\_sales

GROUP BY DATEPART(HOUR,order\_time)

ORDER BY DATEPART(HOUR,order\_time)

A screenshot of a computer

Description automatically generated

1. Percentage of sales by pizza category

-- Sql query for percentage of sales by pizza category

SELECT pizza\_category,SUM(total\_price)\* 100/(SELECT sum(total\_price) FROM pizza\_sales) AS Percentage\_Total

FROM pizza\_sales

GROUP BY pizza\_category

A screenshot of a computer

Description automatically generated

1. Percentage of Sales by Pizza Size

-- Sql query for percentage of sales by pizza size

SELECT pizza\_size,SUM(total\_price) as total\_revenue,SUM(total\_price)\*100/(SELECT SUM(total\_price) From pizza\_sales) AS percentage\_total

FROM pizza\_sales

GROUP BY pizza\_size

A screenshot of a computer

Description automatically generated

1. Total Pizzas Sold by Pizza Category

-- Sql query for Total Pizzas Sold by Pizza Category

SELECT pizza\_category,SUM(quantity) as pizzas\_sold

FROM pizza\_sales

GROUP BY pizza\_category

A screenshot of a computer

Description automatically generated

1. Top 5 best sellers by total pizzas sold:

-- Sql query for Total Pizzas Sold by Pizza Category

SELECT TOP 5 pizza\_name, SUM(quantity) as pizzas\_sold

FROM pizza\_sales

Group by pizza\_name

ORDER BY pizzas\_sold DESC

A screenshot of a menu

Description automatically generated

1. Top 5 worst sellers by total pizzas sold:

-- -- Sql query for Total Pizzas Sold by Pizza Category

SELECT TOP 5 pizza\_name, SUM(quantity) as pizzas\_sold

FROM pizza\_sales

Group by pizza\_name

ORDER BY pizzas\_sold ASC

A screenshot of a computer

Description automatically generated