PIZZA SALES SQL QUERIES

    A. KPI's

        1. Total Revenue:

```sql
select sum(total_price) as Total_Revenue from Pizza_Sales
```

	Total_Revenue
1	817860.05083847

        2. Average Order Value

```sql
select sum(total_price) / count(distinct order_id) as Avg_order_value from
Pizza_Sales
```

	Avg_order_value
1	38.3072623343546

        3. Total Pizzas Sold

```sql
select sum(quantity) as Total_pizza_sold from Pizza_Sales
```

	Total_pizza_sold
1	49574

        4. Total Orders

```sql
select count(distinct order_id) as Total_order from Pizza_Sales
```

	Total_order
1	21350

        5. Average Pizzas Per Order

```sql
select cast(cast(sum(quantity) as decimal (10, 2)) /
cast(count(distinct order_id) as decimal (10, 2)) as decimal(10, 2))
AS Avg_pizza_per_order from Pizza_Sales
```

	Avg_pizza_per_order
1	2.32

B. Chart's
   1. Hourly Trend for Total Orders:
```sql
select datepart(hour, order_time) as Order_Hour,
       count(distinct order_id) as Total_Orders
from Pizza_Sales
group by datepart(hour, order_time)
order by Order_Hour
```

	Order_Hour	Total_Orders
1	9	1
2	10	8
3	11	1231
4	12	2520
5	13	2455
6	14	1472
7	15	1468
8	16	1920
9	17	2336
10	18	2399
11	19	2009
12	20	1642
13	21	1198
14	22	663
15	23	28

   2. Daily Trend for Total Orders:
```sql
select datename(dw, order_date) as Order_day,
       count(distinct order_id) as Total_orders
from Pizza_Sales
group by datename(dw, order_date),
         datepart(dw, order_date)
order by datepart(dw, order_date)
```

	Order_day	Total_orders
1	Sunday	2624
2	Monday	2794
3	Tuesday	2973
4	Wednesday	3024
5	Thursday	3239
6	Friday	3538
7	Saturday	3158

   3. Monthly Trend for Total Orders:
```sql
select datename(month, order_date) as Month_Name,
       count(distinct order_id) as Total_orders
from Pizza_Sales
group by datename(month, order_date),
         datepart(month, order_date)
order by datepart(month, order_date)
```

	Month_Name	Total_orders
1	January	1845
2	February	1685
3	March	1840
4	April	1799
5	May	1853
6	June	1773
7	July	1935
8	August	1841
9	September	1661
10	October	1646
11	November	1792
12	December	1680

4. Percentage of Sales by Pizza Category:

```sql
select pizza_category as Pizza_Category,
    round(sum(total_price),2) as Total_Sales,
    round(sum(total_price) * 100 / (select sum(total_price) from Pizza_Sales),2)
as PCT_Total_sales
from Pizza_Sales
group by pizza_category
```

	Pizza_Category	Total_Sales	PCT_Total_sales
1	Classic	220053.1	26.91
2	Supreme	208197	25.46
3	Veggie	193690.45	23.68
4	Chicken	195919.5	23.96

5. Percentage of Sales by Pizza Size:

```sql
select pizza_size as Pizza_Size,
    round(sum(total_price),2) as Total_Sales,
    round(sum(total_price) * 100 / (select sum(total_price) from Pizza_Sales),2)
as PCT_Total_sales
from Pizza_Sales
group by pizza_size
order by PCT_Total_sales desc
```

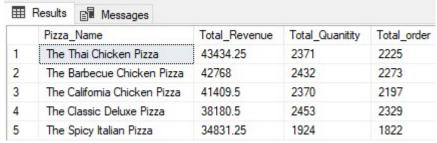|	Pizza_Size	Total_Sales	PCT_Total_sales
1	L	375318.7	45.89
2	M	249382.25	30.49
3	S	178076.5	21.77
4	XL	14076	1.72
5	XXL	1006.6	0.12

6. Total Pizzas Sold by Pizza Category:

```sql
select pizza_category as Pizza_Category,
```

```
sum(quantity) as Total_Pizza_Sold
from Pizza_Sales
group by pizza_category
order by Total_Pizza_Sold desc
```

	Pizza_Category	Total_Pizza_Sold
1	Classic	14888
2	Supreme	11987
3	Veggie	11649
4	Chicken	11050

7. Top 5 Best Sellers by Revenue, Total Quantity and Total Orders:

```
select top 5 pizza_name as Pizza_Name,
    round(sum(total_price),2) as Total_Revenue,
    sum(quantity) as Total_Quanitity,
    count(distinct order_id) as Total_order
from Pizza_Sales
group by pizza_name
order by Total_Revenue desc
```

	Pizza_Name	Total_Revenue	Total_Quanitity	Total_order
1	The Thai Chicken Pizza	43434.25	2371	2225
2	The Barbecue Chicken Pizza	42768	2432	2273
3	The California Chicken Pizza	41409.5	2370	2197
4	The Classic Deluxe Pizza	38180.5	2453	2329
5	The Spicy Italian Pizza	34831.25	1924	1822

8. Bottom 5 Best Sellers by Revenue, Total Quantity and Total Orders:

```
select top 5 pizza_name as Pizza_Name,
    round(sum(total_price),2) as Total_Revenue,
    sum(quantity) as Total_Quanitity,
    count(distinct order_id) as Total_order
from Pizza_Sales
group by pizza_name
order by Total_Revenue asc
```

	Pizza_Name	Total_Revenue	Total_Quanitity	Total_order
1	The Brie Carre Pizza	11588.5	490	480
2	The Green Garden Pizza	13955.75	997	976
3	The Spinach Supreme Pizza	15277.75	950	918
4	The Mediterranean Pizza	15360.5	934	912
5	The Spinach Pesto Pizza	15596	970	945

If you want to apply the Month, Quarter, Week filters to the above queries you can use **WHERE clause**. Follow some below examples

```sql
select datename(dw, order_date) as Order_day,
       count(distinct order_id) as Total_orders
from Pizza_Sales
Where month(order_date) = 1
group by datename(dw, order_date)
```

- Here `month(order_date) = 1` indicates that the output is for the month of January.
  `month(order_date) = 4` indicates output for Month of April.

```sql
select datename(dw, order_date) as Order_day,
       count(distinct order_id) as Total_orders
from Pizza_Sales
Where datepart(quarter, order_date) = 1
group by datename(dw, order_date)
```

- Here `datepart(quarter, order_date) = 1` indicates that the output is for the Quarter 1.
  `datepart(quarter, order_date) = 3` indicates output for Quarter 3.