PIZZA SALES SQL QUERIES

A.   KPI's

1. Total Revenue:

Select sum(total_price) as Total_Revenue from pizza_sales;
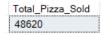
	Total_Revenue
1	817860.05083847

2. Average Order Value:

Select sum(total_price)/ count(distinct order_id) as Average_Order_Value from pizza_sales;

Average_Order_Value
38.3072623343546

3. Total Pizzas sold:

Select count(quantity) as Total_Pizza_Sold from pizza_sales;

Total_Pizza_Sold
48620

4. Total Orders:

Select count(distinct order_id) as Total_Order_Placed from pizza_sales;

Total_Order_Placed
21350

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 Average_pizzas_per_order from pizza_sales

Average_pizzas_per_order
2.32

B.   Problems Statement

1. Hourly Trend for Total Pizza's sold :
```sql
select DATEPART(hour, order_time) as order_hour,
sum(quantity) as Total_Pizza_sold
from pizza_sales
group by DATEPART(hour, order_time)
order by DATEPART(hour, order_time);
```

	order_hour	Total_Pizza_sold
1	9	4
2	10	18
3	11	2728
4	12	6776
5	13	6413
6	14	3613
7	15	3216
8	16	4239
9	17	5211
10	18	5417
11	19	4406
12	20	3534
13	21	2545
14	22	1386
15	23	68

2. Weekly Trend for Total Orders:
```sql
select DATEPART(ISO_WEEK, order_date) as week_order,
year(order_date),
count(distinct order_id) as Total_order
from pizza_sales
group by DATEPART(ISO_WEEK, order_date), year(order_date)
order by DATEPART(iso_week, order_date), year(order_date);
```

	week_order	(No column name)	Total_order
1	1	2015	254
2	2	2015	427
3	3	2015	400
4	4	2015	415
5	5	2015	436
6	6	2015	422
7	7	2015	423
8	8	2015	393
9	9	2015	409
10	10	2015	420
11	11	2015	404
12	12	2015	416
13	13	2015	427
14	14	2015	433
15	15	2015	408
16	16	2015	414

3. Percentage of sales by Pizza Category of any month:

```sql
select pizza_category, sum(total_price) as Total_Price,
sum(total_price) * 100 /
(select sum(total_price) from pizza_sales) as Percentage_Total_sales
from pizza_sales
where MONTH(order_date) = 1
group by pizza_category;
```

	pizza_category	Total_Price	Percentage_Total_sales
1	Classic	18619.4000015259	2.27659976574687
2	Chicken	16188.75	1.97940344236196
3	Veggie	17055.4000778198	2.0853690139694
4	Supreme	17929.7499866486	2.19227604628285

4. Percentage of Sales by pizza size:

```sql
select pizza_size, sum(total_price) as Total_Price,
cast(sum(total_price) * 100 /
(select sum(total_price) from pizza_sales)as decimal(10,2)) as
Percentage_Total_sales
from pizza_sales
group by pizza_size
order by Percentage_Total_sales desc;
```

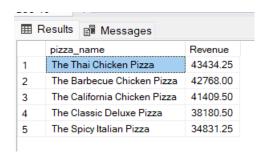|	pizza_size	Total_Price	Percentage_Total_sales
1	L	375318.701004028	45.89
2	M	249382.25	30.49
3	S	178076.49981308	21.77
4	XL	14076	1.72
5	XXL	1006.6000213623	0.12

5. Total Pizzas sold by Pizza Category:

```sql
select pizza_category,
cast(sum(total_price) as decimal(10,2)) as Total_Price
from pizza_sales
group by pizza_category;
```

	pizza_category	Total_Price
1	Classic	220053.10
2	Chicken	195919.50
3	Veggie	193690.45
4	Supreme	208197.00

6. Top 5 best Pizza sales by Revenue:

```sql
select top 5 pizza_name,
cast(sum(total_price) as decimal(10,2)) as Revenue
from pizza_sales
group by pizza_name
order by Revenue desc;
```

	pizza_name	Revenue
1	The Thai Chicken Pizza	43434.25
2	The Barbecue Chicken Pizza	42768.00
3	The California Chicken Pizza	41409.50
4	The Classic Deluxe Pizza	38180.50
5	The Spicy Italian Pizza	34831.25

7. Bottom 5 sales by quantity:

```sql
select top 5 pizza_name,
count(quantity) as Quantity
from pizza_sales
group by pizza_name
order by Quantity;
```

	pizza_name	Quantity
1	The Brie Carre Pizza	480
2	The Mediterranean Pizza	923
3	The Calabrese Pizza	927
4	The Spinach Supreme Pizza	940
5	The Soppressata Pizza	957