Pizza Sales SQL Queries

KPIs Requirement:

1. Total Revenue:

```
select SUM(total_price) as Total_revenue from pizza_sales;
```

Results | Messages

	Total_revenue
1	817860.05083847

2. Average Order Value:

```
SELECT SUM(total_price) / COUNT(DISTINCT order_id) AS Average_order_value from pizza_sales;
```

Results | Messages

	Average_order_value
1	38.307262343546

3. Total Pizza Sold:

```
SELECT SUM(quantity) AS Total_pizza_sold from pizza_sales;
```

Results | Messages

	Total_pizza_sold
1	49574

4. Total Pizza Orders::

```
SELECT COUNT(DISTINCT order_id) AS Total_pizza_orders from pizza_sales;
```

Results | Messages

	Total_pizza_orders
1	21350

5. Average Pizza per Order::

```
SELECT CAST(SUM(quantity) AS DECIMAL(10,2))/CAST (COUNT(DISTINCT order_id) AS DECIMAL(10,2))
AS Average_pizza_per_order from pizza_sales;
```

	Average_pizza_per_order
1	2.3219672131147

Charts Requirement:

1. Daily trends for total Orders:

```sql
--daily trend
SELECT DATENAME(DW, order_date) AS Day, COUNT(DISTINCT order_id) AS Orders FROM pizza_sales
GROUP BY DATENAME(DW, order_date) ORDER BY DATENAME(DW, order_date);
```

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

2. Daily trends for total Orders for Jan:

```sql
--daily trend for January
SELECT DATENAME(DW, order_date) AS Day, COUNT(DISTINCT order_id) AS Orders FROM pizza_sales
WHERE DATEPART(MONTH, order_date)=1
GROUP BY DATENAME(DW, order_date) ;
```

Results Messages

	Day	Orders
1	Friday	330
2	Monday	220
3	Saturday	303
4	Sunday	199
5	Thursday	329
6	Tuesday	242
7	Wednesday	222

3. Hourly trends for total Orders:

```sql
--Hourly trend
SELECT DATEPART(HOUR, order_time) AS Day, COUNT(DISTINCT order_id) AS Orders FROM pizza_sales
GROUP BY DATEPART(HOUR, order_time) ORDER BY DATEPART(HOUR, order_time);
```

	Day	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

4. Percentage of Sales by Pizza Category:

```sql
--Sales Percentage by Pizza Category
SELECT pizza_category, CAST(SUM(total_price)*100/(SELECT SUM(total_price) from pizza_sales)AS DECIMAL(10,2))
AS PCT FROM pizza_sales
GROUP BY pizza_category ORDER BY pizza_category;
```

Results Messages

	pizza_category	PCT
1	Chicken	23.96
2	Classic	26.91
3	Supreme	25.46
4	Veggie	23.68

5. Percentage of Sales by Pizza Size

```sql
--Sales Percentage by Pizza Size
SELECT pizza_size, CAST(SUM(total_price)*100/(select SUM(total_price) from pizza_sales)AS DECIMAL(10,2))
AS Pct from pizza_sales
group by pizza_size order by pizza_size;
```

Results | Messages

	pizza_size	Pct
1	L	45.89
2	M	30.49
3	S	21.77
4	XL	1.72
5	XXL	0.12

6. Total Pizzas Sold by Pizza Category:

```sql
--Total Sales by Category
SELECT pizza_category, SUM(quantity) AS Total_pizzas_sold FROM pizza_sales
GROUP BY pizza_category ORDER BY pizza_category;
```

Results | Messages

	pizza_category	Total_pizzas_sold
1	Chicken	11050
2	Classic	14888
3	Supreme	11987
4	Veggie	11649

7. Total Pizzas Sold by Pizza Category for Q - 2:

```sql
--Total Sales by Category in Quarter 2
SELECT pizza_category, SUM(quantity) AS Total_pizzas_sold FROM pizza_sales
WHERE DATEPART(QUARTER, order_date) = 2
GROUP BY pizza_category ORDER BY pizza_category;
```

Results | Messages

	pizza_category	Total_pizzas_sold
1	Chicken	2773
2	Classic	3776
3	Supreme	3098
4	Veggie	2939

8. Top 5 best seller Pizzas:

```sql
--Top 5 Pizzas by Pizza sold
SELECT TOP 5 pizza_name, SUM(quantity) AS Total_pizzas_sold FROM pizza_sales
GROUP BY pizza_name ORDER BY SUM(quantity) DESC;
```

Results | Messages

	pizza_name	Total_pizzas_sold
1	The Classic Deluxe Pizza	2453
2	The Barbecue Chicken Pizza	2432
3	The Hawaiian Pizza	2422
4	The Pepperoni Pizza	2418
5	The Thai Chicken Pizza	2371

9. Top 5 worst seller Pizzas:

```sql
--Worst 5 Pizzas by Pizzas sold
SELECT TOP 5 pizza_name, SUM(quantity) AS Total_pizzas_sold FROM pizza_sales
GROUP BY pizza_name ORDER BY SUM(quantity) ASC;
```

Results | Messages

	pizza_name	Total_pizzas_sold
1	The Brie Carre Pizza	490
2	The Mediterranean Pizza	934
3	The Calabrese Pizza	937
4	The Spinach Supreme Pizza	950
5	The Soppressata Pizza	961