PIZZA SQL QUERIES

KPIs

1. Total Revenue

```sql
SELECT SUM(total_price) AS Total_Revenue from dbo.Pizza
```

	Total_Revenue ⌄
1	997403,25

2. Average Order

```sql
SELECT SUM(Total_price) / COUNT(DISTINCT Order_id) AS Average_order FROM dbo.Pizza
```

	Average_order ⌄
1	46,71677985948478

3. Total Pizza Sold

```sql
SELECT SUM(quantity) as Total_sold FROM dbo.Pizza
```

	Total_sold ⌄
1	49574

4. Total Pizza Order

```sql
SELECT COUNT(DISTINCT Order_id) As Total_order FROM dbo.Pizza
```

	Total_order ⌄
1	21350

5. Average Pizza Per Order

```sql
SELECT SUM(quantity) / COUNT(DISTINCT Order_id) As Avg_pizza_order FROM dbo.Pizza
```

	Avg_pizza_order ⌄
1	2

6. Daily Trend for Total Order

```sql
SELECT DATENAME(DW, order_date) as Order_day, COUNT(DISTINCT Order_id) as Total_order
FROM dbo.Pizza
GROUP BY DATENAME(DW, Order_date)
```

Results   Messages

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

7. Hourly Trend for Orders

```sql
SELECT DATEPART(HOUR, order_time) AS order_hours, COUNT(DISTINCT order_id)
AS Total_orders
FROM dbo.Pizza
GROUP BY DATEPART(HOUR, Order_time)
ORDER BY DATEPART(HOUR, Order_time)
```

Results   Messages

	order_hours	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

8. Monthly Trend for Total Orders

```
SELECT DATENAME(MONTH, Order_date) as MONTH_Name, COUNT(DISTINCT Order_id) as Total_Order
FROM dbo.Pizza
GROUP by DATENAME(MONTH, Order_date)
ORDER BY Total_Order DESC
```

Results   Messages

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

9. Percentage of Sales by Pizza Category

```
SELECT pizza_category, SUM(total_price) * 100 / (SELECT SUM(total_price)  FROM dbo.Pizza)
FROM dbo.Pizza
GROUP BY Pizza_category
```

Results   Messages

	pizza_category	(No column name)
1	Chicken	22,20721658967925
2	Supreme	23,936131148560023
3	Classic	30,488646392519776
4	Veggie	23,368005869240953

9.1.

SELECT pizza_category, CAST(SUM(total_price) * 100 / (SELECT SUM(total_price) FROM dbo.Pizza) AS decimal(10,2))

FROM dbo.Pizza

GROUP BY Pizza_category

Results   Messages

	pizza_category	Percent_sales
1	Chicken	22.21
2	Supreme	23.94
3	Classic	30.49
4	Veggie	23.37

10. Percentage of Sales by Pizza size

```
SELECT pizza_size, CAST(SUM(total_price) * 100 / (SELECT SUM(total_price)  FROM dbo.Pizza)
AS decimal(10,2)) as Percent_sales
FROM dbo.Pizza
GROUP BY Pizza_size
ORDER BY Percent_sales DESC
```

Results   Messages

	pizza_size	Percent_sales
1	l	39.20
2	m	31.06
3	s	28.56
4	xl	1.12
5	xxl	0.06

11. Total Pizza sold by category

```
SELECT pizza_category, SUM(quantity) as Pizza_sold
FROM dbo.Pizza
GROUP BY Pizza_category
```

Results   Messages

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

12. Top 5 Best sellers by Revenue, Total Qunatity and Total Order

```sql
SELECT Top 5 Pizza_name, SUM(total_price) as Total_Revenue, SUM(quantity) as
total_quantity, COUNT(DISTINCT order_id) as total_order
FROM dbo.Pizza
GROUP BY Pizza_name
ORDER by Total_Revenue DESC
```

Results   Messages

	Pizza_name	Total_Revenue	total_quantity	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

13. Bottom 5 Best sellers by Revenue, Total Quantity and Total Order

```sql
SELECT Top 5 Pizza_name, SUM(total_price) as Total_Revenue, SUM(quantity) as
total_quantity, COUNT(DISTINCT order_id) as total_order
FROM dbo.Pizza
GROUP BY Pizza_name
ORDER by Total_Revenue ASC
```

Results   Messages

	Pizza_name	Total_Revenue	total_quantity	total_order
1	The Brie Carre Pizza	11588,499999999898	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