

SQL QUERIES

1.Total Revenue

```
select sum(total_price) as total_revenue
from pizza_sales
```

Output:

Results Messages	
	total_revenue
1	817860.05083847

2. Average Order Value

```
select
sum(total_price) / Count(Distinct order_id) as Avg_Order_Value
from pizza_sales;
```

Output:

Results Messages	
	Avg_Order_Value
1	38.3072623343546

3. Total Pizza Sold

```
select
sum(quantity) as Total_Pizza_Sold
from pizza_sales;
```

Output:

Results Messages	
	Total_Pizza_Sold
1	49574

4. Total Orders Placed

```
select count(distinct order_id) as Total_Orders
from pizza_sales;
```

Output:

Results Messages	
	Total_Orders
1	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 Avg_pizzas_per_order from pizza_sales;
```

Output:

	Avg_pizzas_per_order
1	2.32

6. Daily Trends for Total Orders

```
select datename(DW, order_date) as order_day, COUNT(distinct order_id) as Total_orders  
from pizza_sales  
Group By Datename(DW, order_date);
```

Output:

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

7. Monthly Trends for Total Orders

```
SELECT DATENAME(MONTH, order_date) AS Month_Name, COUNT(Distinct order_id) as  
Total_Orders  
from pizza_sales  
Group By Datename(month, order_date);
```

Output:

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

8. Percentage of Sales by Pizza Category

```
SELECT pizza_category, SUM(total_price) as Total_Sales, SUM(total_price) * 100
/(SELECT SUM(total_price) FROM pizza_sales) as PCT
FROM pizza_sales
GROUP BY pizza_category;
```

Output:

	pizza_category	Total_Sales	PCT
1	Classic	220053.100021362	26.9059602306976
2	Chicken	195919.5	23.9551375322885
3	Veggie	193690.451004028	23.6825910258677
4	Supreme	208196.99981308	25.4563112111462

9. Percentage of Sales by Pizza Size

```
SELECT pizza_size, CAST(SUM(total_price) AS DECIMAL(10,2)) AS Total_Sales,
CAST(SUM(total_price) * 100/
(SELECT SUM(total_price) from pizza_sales WHERE DATEPART(quarter,order_date)=1) AS
DECIMAL(10,2)) AS PCT
from pizza_sales
WHERE DATEPART(quarter, order_date)=1
GROUP BY pizza_size
ORDER BY PCT DESC;
```

Output:

	pizza_size	Total_Sales	PCT
1	L	95229.65	46.37
2	M	61159.00	29.78
3	S	45384.25	22.10
4	XL	3289.50	1.60
5	XXL	287.60	0.14

10. Top 5 Pizzas by Revenue

```
SELECT TOP 5 pizza_name, SUM(total_price) AS Total_Revenue FROM pizza_sales
GROUP BY pizza_name
ORDER BY Total_Revenue DESC;
```

Output:

	pizza_name	Total_Revenue
1	The Thai Chicken Pizza	43434.25
2	The Barbecue Chicken Pizza	42768
3	The California Chicken Pizza	41409.5
4	The Classic Deluxe Pizza	38180.5
5	The Spicy Italian Pizza	34831.25

11. Bottom 5 pizzas by Revenue

```
SELECT TOP 5 pizza_name, SUM(total_price) AS Total_Revenue FROM pizza_sales
GROUP BY pizza_name
ORDER BY Total_Revenue ASC;
```

	pizza_name	Total_Revenue
1	The Brie Carre Pizza	11588.4998130798
2	The Green Garden Pizza	13955.75
3	The Spinach Supreme Pizza	15277.75
4	The Mediterranean Pizza	15360.5
5	The Spinach Pesto Pizza	15596