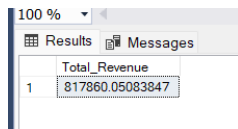


SQL Queries

1. To find the total revenue of pizza sale

We have total_price column in data so find sum using the following query:

```
SELECT SUM(total_price) AS Total_Revenue FROM pizza_sales;
```

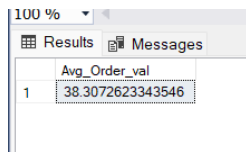


A screenshot of a SQL query results window. The window has a dropdown menu set to '100 %' and two tabs: 'Results' and 'Messages'. The 'Results' tab is active, showing a table with one column 'Total_Revenue' and one row with the value '817860.05083847'.

	Total_Revenue
1	817860.05083847

2. To find the average order value , ototal_price/ count order_id :

```
SELECT SUM(total_price) / COUNT(DISTINCT order_id) AS  
Avg_Order_val FROM pizza_sales;
```

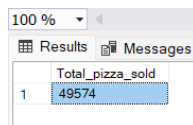


A screenshot of a SQL query results window. The window has a dropdown menu set to '100 %' and two tabs: 'Results' and 'Messages'. The 'Results' tab is active, showing a table with one column 'Avg_Order_val' and one row with the value '38.3072623343546'.

	Avg_Order_val
1	38.3072623343546

3. Total pizzas sold :

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



A screenshot of a SQL query results window. The window has a dropdown menu set to '100 %' and two tabs: 'Results' and 'Messages'. The 'Results' tab is active, showing a table with one column 'Total_pizza_sold' and one row with the value '49574'.

	Total_pizza_sold
1	49574

4. Total number of orders:

```
SELECT COUNT(DISTINCT order_id) AS Total_Orders FROM  
pizza_sales;
```

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_Piza_Per_Order FROM pizza_sales;
```

Results Messages	
	Avg_Piza_Per_Order
1	2.32

6. Daily trend for total orders :

```
SELECT DATENAME(DW, order_date) AS order_day , COUNT
(distinct order_id) AS Totsl_orders from pizza_sales GROUP BY
DATENAME(DW, order_date);
```

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

7. Monthly trend for total orders:

```
SELECT DATENAME(MONTH, order_date) AS order_day ,
COUNT (distinct order_id) AS Total_orders from pizza_sales
GROUP BY DATENAME(MONTH, order_date);
```

Results Messages		
	order_day	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 sales by pizza category:

```
SELECT pizza_category , SUM(total_price) * 100 / (SELECT
SUM(total_price) FROM pizza_sales) AS
Per_sales_by_pizza_cat FROM pizza_sales GROUP BY
pizza_category;
```

Results Messages		
	pizza_category	Per_sales_by_pizza_cat
1	Classic	26.9059602306976
2	Chicken	23.9551375322885
3	Veggie	23.6825910258677
4	Supreme	25.4563112111462

9. Percentage sales by pizza size:

```
SELECT pizza_size , SUM(total_price) * 100 / (SELECT
SUM(total_price) FROM pizza_sales) AS
Per_sales_by_pizza_cat FROM pizza_sales GROUP BY
pizza_size;
```

Results Messages		
	pizza_size	Per_sales_by_pizza_size
1	L	45.8903330244889
2	XXL	0.123077294254725
3	M	30.492044420599
4	XL	1.72107684995364
5	S	21.7734684107037

10.TOP 5 PIZZA BY REVENUE :

SELECT top 5 pizza_name , SUM(total_price) AS tot_rev FROM pizza_sales GROUP BY pizza_name ORDER BY tot_rev desc;

Results Messages		
	pizza_name	tot_rev
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 :

SELECT top 5 pizza_name , SUM(total_price) AS tot_rev FROM pizza_sales GROUP BY pizza_name ORDER BY tot_rev asc;

Results Messages		
	pizza_name	tot_rev
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

12.Top and bottom 5 by total quantity :

SELECT top 5 pizza_name , SUM(quantity) AS tot_quan FROM pizza_sales GROUP BY pizza_name ORDER BY tot_quan desc;
SELECT top 5 pizza_name , SUM(quantity) AS tot_quan FROM pizza_sales GROUP BY pizza_name ORDER BY tot_quan asc;

Results Messages		
	pizza_name	tot_quan
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

	pizza_name	tot_quan
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

13.Top and bottom 5 by order_id :

```
SELECT Top 5 pizza_name, COUNT(DISTINCT order_id) AS  
Total_Orders FROM pizza_sales GROUP BY pizza_name ORDER  
BY Total_Orders DESC;
```

```
SELECT Top 5 pizza_name, COUNT(DISTINCT order_id) AS  
Total_Orders FROM pizza_sales GROUP BY pizza_name ORDER  
BY Total_Orders ASC;
```

Results		Messages
	pizza_name	Total_Orders
1	The Classic Deluxe Pizza	2329
2	The Hawaiian Pizza	2280
3	The Pepperoni Pizza	2278
4	The Barbecue Chicken Pizza	2273
5	The Thai Chicken Pizza	2225

	pizza_name	Total_Orders
1	The Brie Carre Pizza	480
2	The Mediterranean Pizza	912
3	The Calabrese Pizza	918
4	The Spinach Supreme Pizza	918
5	The Chicken Pesto Pizza	938