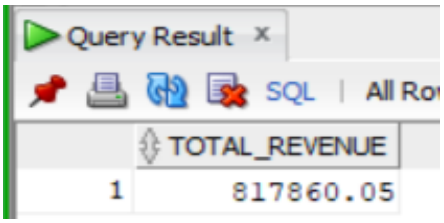
PIZZA SALES SQL QUERIES (Oracle SQL Database)

KPI's

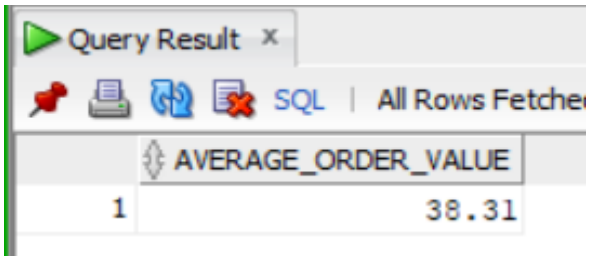
1. **Total Revenue:**

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



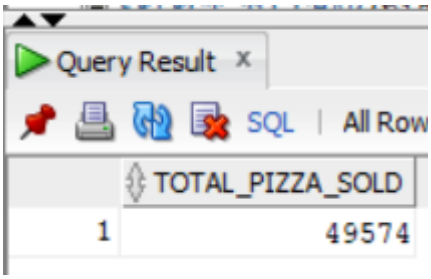
2. **Average Order Value:**

```
SELECT ROUND(AVG(Total_Price),2) AS Average_Order_Value
FROM (SELECT order_id, SUM(total_price) AS Total_Price
FROM pizza_db
GROUP BY order_id
ORDER BY order_id) ;
```



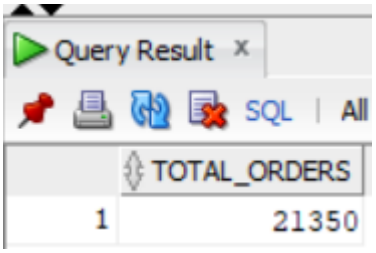
3. **Total Pizzas Sold:**

```
SELECT SUM(quantity) AS Total_Pizza_Sold
FROM pizza_db ;
```



4. Total Orders

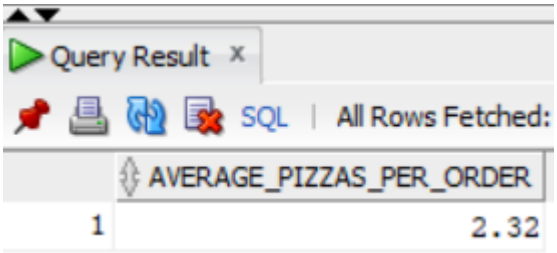
```
SELECT COUNT(DISTINCT(order_id)) AS Total_Orders
FROM pizza_db;
```



	TOTAL_ORDERS
1	21350

5. Average Pizzas Per Order

```
SELECT ROUND(SUM(quantity) / COUNT(DISTINCT(order_id)),2) AS
Average_Pizzas_Per_Order
FROM pizza_db ;
```



	AVERAGE_PIZZAS_PER_ORDER
1	2.32

Daily Trend for Total Orders

```
SELECT TO_CHAR(pizza_db.order_date, 'Day') AS Orders_by_Day,
COUNT(DISTINCT(order_id)) AS Total_Orders
FROM pizza_db
GROUP BY TO_CHAR(pizza_db.order_date, 'Day')
ORDER BY Total_Orders DESC ;
```

Output:-

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

Monthly Trend for Orders

```
SELECT TO_CHAR(pizza_db.order_date, 'Month') AS Orders_by_Month,
COUNT(DISTINCT(order_id)) AS Total_Orders
FROM pizza_db
GROUP BY TO_CHAR(pizza_db.order_date, 'Month')
ORDER BY Total_Orders DESC ;
```

Output:-

	ORDERS_BY_MONTH	TOTAL_ORDERS
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

% of Sales by Pizza Category

```
SELECT pizza_category,
ROUND((SUM(pizza_db.total_price) / (SELECT SUM(pizza_db.total_price) FROM
pizza_db) *100),2) AS Percentage_of_Sales
FROM pizza_db
GROUP BY pizza_db.pizza_category
ORDER BY Percentage_of_Sales DESC ;
```

Output:-

	PIZZA_CATEGORY	PERCENTAGE_OF_SALES
1	Classic	26.91
2	Supreme	25.46
3	Chicken	23.96
4	Veggie	23.68

Note:- (For seeing monthly percentage of sales)

```
SELECT pizza_category,
ROUND((SUM(pizza_db.total_price) / (SELECT SUM(pizza_db.total_price) FROM
pizza_db WHERE TO_CHAR(pizza_db.order_date, 'MM') = 1) *100),2) AS
Percentage_of_Sales
FROM pizza_db
WHERE TO_CHAR(pizza_db.order_date, 'MM') = 1
GROUP BY pizza_db.pizza_category
ORDER BY Percentage_of_Sales DESC;
```

Note:- (For seeing monthly percentage of sales)

```
SELECT pizza_category,
ROUND((SUM(pizza_db.total_price) / (SELECT SUM(pizza_db.total_price) FROM
pizza_db WHERE TO_CHAR(pizza_db.order_date, 'MM') = 1) *100),2) AS
Percentage_of_Sales
FROM pizza_db
WHERE TO_CHAR(pizza_db.order_date, 'MM') = 1
GROUP BY pizza_db.pizza_category
ORDER BY Percentage_of_Sales DESC;
```

Note:- (For seeing Quarterly percentage of sales)

```
SELECT pizza_category,
ROUND((SUM(pizza_db.total_price) / (SELECT SUM(pizza_db.total_price) FROM
pizza_db WHERE TO_CHAR(pizza_db.order_date, 'Q') = 1) *100),2) AS
Percentage_of_Sales
FROM pizza_db
WHERE TO_CHAR(pizza_db.order_date, 'Q') = 1
GROUP BY pizza_db.pizza_category
ORDER BY Percentage_of_Sales DESC;
```

% of Sales by Pizza Size

```
SELECT pizza_size, ROUND((SUM(total_price) / (SELECT
SUM(total_price) FROM pizza_db) * 100),2) AS
Sales_prcentage_by_size
FROM pizza_db
GROUP BY pizza_size
ORDER BY Sales_prcentage_by_size DESC;
```

Output:-

	PIZZA_SIZE	SALES_PRCENTAGE_BY_SIZE
1	L	45.89
2	M	30.49
3	S	21.77
4	XL	1.72
5	XXL	0.12

Top 5 Best sellers by

1. **Revenue**

```
SELECT *
FROM(SELECT pizza_name, SUM(total_price) AS Total_Revenue
FROM pizza_db
GROUP BY pizza_name
ORDER BY Total_Revenue DESC)
WHERE ROWNUM <= 5;
```

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

2. **Quantity**

```
SELECT *
FROM(SELECT pizza_name, SUM(quantity) AS Total_quantity
FROM pizza_db
GROUP BY pizza_name
ORDER BY Total_quantity DESC)
WHERE ROWNUM <= 5;
```

Output:-

	PIZZA_NAME	TOTAL_QUANTITY
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

3. **Orders**

```
SELECT *
FROM(SELECT pizza_name, COUNT(DISTINCT (order_id)) AS
Total_orders
FROM pizza_db
GROUP BY pizza_name
ORDER BY Total_orders DESC)
WHERE ROWNUM <= 5;
```

Output:-

	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

Bottom 5 worst seller by

1. **Revenue**

```
SELECT *
FROM(SELECT pizza_name, SUM(total_price) AS Total_Revenue
FROM pizza_db
GROUP BY pizza_name
ORDER BY Total_Revenue ASC)
WHERE ROWNUM <= 5;
```

Output:-

	PIZZA_NAME	TOTAL_REVENUE
1	The Brie Carre Pizza	11588.5
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

2. **Quantity**

```
SELECT *
FROM(SELECT pizza_name, SUM(quantity) AS Total_quantity
FROM pizza_db
GROUP BY pizza_name
ORDER BY Total_quantity ASC)
WHERE ROWNUM <= 5;
```

Output:

	PIZZA_NAME	TOTAL_QUANTITY
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

3. **Orders**

```
SELECT *
FROM(SELECT pizza_name, COUNT(DISTINCT (order_id)) AS
Total_orders
FROM pizza_db
GROUP BY pizza_name
ORDER BY Total_orders ASC)
WHERE ROWNUM <= 5;
```

Output:-

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