

## PIZZA SALES (SQL QUERIES)

### PROBLEMS:-

**1. Total Pizzas Sold:** the sum of all quantities of pizzas.

```
. SELECT SUM(quantity) AS Total_Pizza_Sold FROM pizza_sales
```

Results Messages	
	Total_Pizza_Sold
1	49574

**2. Average Order Value:** the average amount spent per order, calculated by dividing the total revenue by the total number of orders

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

Results Messages	
	Avg_order_Value
1	38.3072623343546

**3. Total Revenue:** the sum of total price of all pizza orders

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

Results Messages	
	Total_Revenue
1	817860.05083847

**4. Total Orders:** the total number of orders placed.

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

Results Messages	
	Total_Orders
1	21350

**5. Average Pizzas per Order:** the average number of pizza sold per order, calculated by dividing the total number of pizza sold by the total number of orders.

```
SELECT CAST(CAST(SUM(quantity) AS DECIMAL (10,2)) / CAST (COUNT(DISTINCT order_id) AS DECIMAL (10,2)) AS DECIMAL (10,2)) AS Average_pizza_sold FROM pizza_sales
```

Results Messages	
	Average_pizza_sold
1	2.32

**6. Top 5 pizza name 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
```

	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

**7. Bestselling pizza by quantity:**

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

	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

**8. Bottom 5 pizza name 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 Carré 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

**9. Percentage of Sales by pizza category:**

```
SELECT pizza_category, CAST(SUM(total_price) AS DECIMAL(10,2)) as total_revenue,
CAST(SUM(total_price) * 100 / (SELECT SUM(total_price) from pizza_sales)
AS DECIMAL(10,2)) AS Percentage_total_sales
FROM pizza_sales GROUP BY pizza_category
```

	pizza_category	total_revenue	Percentage_total_sales
1	Classic	220053.10	26.91
2	Chicken	195919.50	23.96
3	Veggie	193690.45	23.68
4	Supreme	208197.00	25.46

### 10. Daily Trend 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)
```

	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

### 11. Monthly Trend 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) ORDER BY Total_Orders DESC
```

	Month_Name	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

### 12. 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)
AS DECIMAL(10,2)) AS Percentage_total_sales FROM pizza_sales
GROUP BY pizza_size ORDER BY Percentage_total_sales DESC
```

	pizza_size	total_Sales	Percentage_total_sales
1	L	375318.70	45.89
2	M	249382.25	30.49
3	S	178076.50	21.77
4	XL	14076.00	1.72
5	XXL	1006.60	0.12