BURGER SALES SQL QUERIES

A. KPI's

1. Total Revenue:

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

2. Average Order Value

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

3. Total Burgers Sold

```
SELECT SUM(quantity) AS Total_burger_sold FROM burger_sales
```

4. Total Orders

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

5. Average Burgers 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_Burgers_per_order
FROM burger_sales
```

B. Daily Trend for Total Orders

```
SELECT DATENAME(DW, order_date) AS order_day, COUNT(DISTINCT order_id) AS
total_orders
FROM burger_sales
GROUP BY DATENAME(DW, order_date)
```

Output:

C. Monthly Trend for Orders

```
select DATENAME(MONTH, order_date) as Month_Name, COUNT(DISTINCT order_id)
as Total_Orders
from burger_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

D. % of Sales by Burger Category

```
SELECT burger_category, CAST(SUM(total_price) AS DECIMAL(10,2)) as
total_revenue,
CAST(SUM(total_price) * 100 / (SELECT SUM(total_price) from burger_sales)
AS DECIMAL(10,2)) AS PCT
FROM burger_sales
GROUP BY burger_category
```

Output

E. % of Sales by Burger Size

```
SELECT burger_size, CAST(SUM(total_price) AS DECIMAL(10,2)) as
total_revenue,
CAST(SUM(total_price) * 100 / (SELECT SUM(total_price) from burger_sales)
AS DECIMAL(10,2)) AS PCT
FROM burger_sales
GROUP BY burger_size
ORDER BY burger_size
```

Output

Results Messages

	pizza_size	total_revenue	PCT
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

F. Total Burgers Sold by Burger Category

```
SELECT burger_category, SUM(quantity) as Total_Quantity_Sold
FROM burger_sales
WHERE MONTH(order_date) = 2
GROUP BY burger_category
ORDER BY Total_Quantity_Sold DESC
```

Output

G. Top 5 Burgers by Revenue

```
SELECT Top 5 burger_name, SUM(total_price) AS Total_Revenue
FROM burger_sales
GROUP BY burger_name
ORDER BY Total_Revenue DESC
```

H. Bottom 5 Burgers by Revenue

```
SELECT Top 5 burger_name, SUM(total_price) AS Total_Revenue
FROM burger_sales
GROUP BY burger_name
ORDER BY Total_Revenue ASC
```

I. Top 5 Burgers by Quantity

```
SELECT Top 5 burger_name, SUM(quantity) AS Total_Burger_Sold
```

```
FROM burger_sales
GROUP BY burger_name
ORDER BY Total_Burger_Sold DESC
```

Output

J. Bottom 5 Burgers by Quantity

```
SELECT TOP 5 burger_name, SUM(quantity) AS Total_Burger_Sold

FROM burger_sales
GROUP BY burger_name
ORDER BY Total_Burger_Sold ASC
```

Output

K. Top 5 Burgers by Total Orders

```
SELECT Top 5 burger_name, COUNT(DISTINCT order_id) AS Total_Orders
FROM burger_sales
GROUP BY burger_name
ORDER BY Total_Orders DESC
```

L. Borrom 5 Burgers by Total Orders

```
SELECT Top 5 burger_name, COUNT(DISTINCT order_id) AS Total_Orders
FROM burger_sales
GROUP BY burger_name
ORDER BY Total_Orders ASC
```

NOTE

If you want to apply the burger_category or burger_size filters to the above queries you can use WHERE clause. Follow some of below examples

```
SELECT Top 5 burger_name, COUNT(DISTINCT order_id) AS Total_Orders
FROM burger_sales
WHERE burger_category = 'Classic'
GROUP BY burger_name
ORDER BY Total_Orders ASC
```