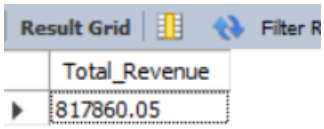
PIZZA SALES SQL QUERIES

A. KPI's

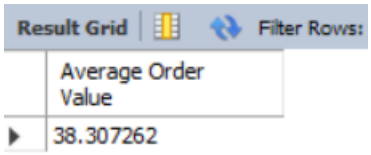
1. Total Revenue:

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



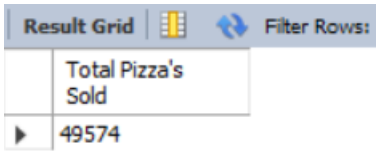
2. Average Order Value

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



3. Total Pizzas Sold

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



4. Total Orders

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

Result Grid | Filter Rows:

Total Orders
21350

5. Average Pizzas Per Order

```
SELECT SUM(quantity)/COUNT(DISTINCT order_id) AS “Average Pizza Per order”
FROM pizza_sales
```

Result Grid | Filter Rows:

Average Pizza Per order
2.3220

B. Daily Trend for Total Orders

```
SELECT dayname(order_date) AS order_day, COUNT(DISTINCT order_id) AS
total_orders
FROM pizza_sales
GROUP BY dayname(order_date)
```

Output:

Result Grid | Filter Rows:

order_day	total_orders
Friday	3538
Monday	2794
Saturday	3158
Sunday	2624
Thursday	3239
Tuesday	2973
Wednesday	3024

C. Hourly Trend for Orders

```
SELECT hour(order_time) AS order_hour, COUNT(DISTINCT order_id) AS
total_orders FROM pizza_sales
GROUP BY hour(order_time)
```

Output

Result Grid | Filter Rows:

order_hour	total_orders
9	1
10	8
11	1231
12	2520
13	2455
14	1472
15	1468
16	1920
17	2336
18	2399
19	2009
20	1642
21	1198
22	663
23	28

D. Monthly Trend For orders

```
select monthname(order_date) as Month, count( distinct order_id) as total_orders

from pizza_sales

group by monthname(order_date),month(order_date)

order by month(order_date)
```

Output

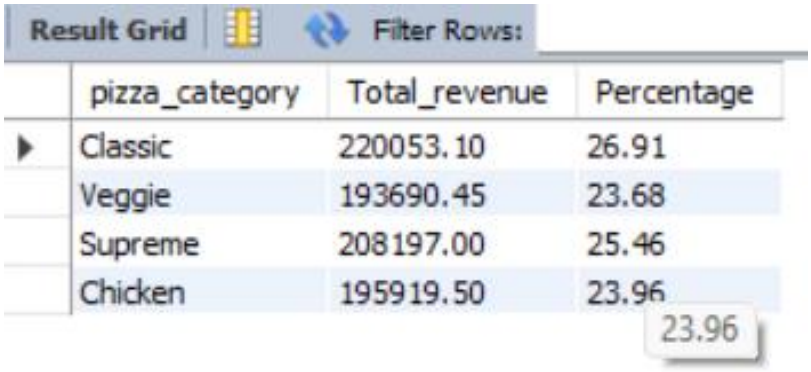
Result Grid | Filter Rows:

Month	total_orders
January	1845
February	1685
March	1840
April	1799
May	1853
June	1773
July	1935
August	1841
September	1661
October	1646
November	1792
December	1680

E. % of Sales by Pizza Category

```
select pizza_category , sum(total_price) as Total_revenue,
round((sum(total_price)/(select Sum(total_price) from pizza_sales))*100,2)
as "Percentage"

from pizza_sales

group by pizza_category
```

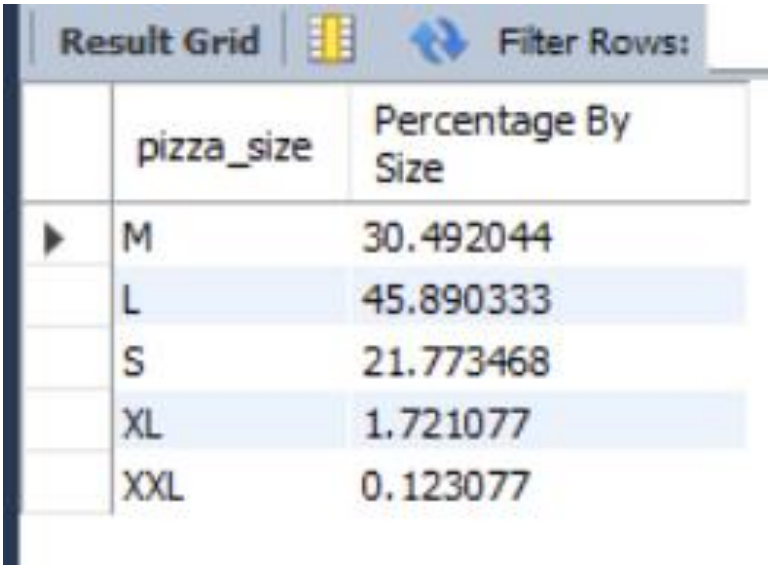
Output



F. % of Sales by Pizza Size

```
select pizza_size , sum(total_price)/(select sum(total_price) FROM
Pizza_sales)*100  as "Percentage By Size"

from pizza_sales

group by pizza_size
```

Output



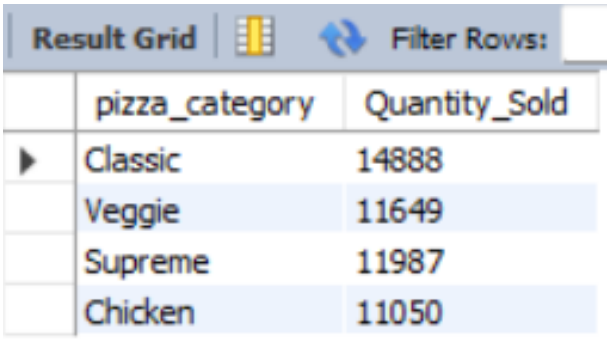
Result Grid | Filter Rows:

pizza_size	Percentage By Size
M	30.492044
L	45.890333
S	21.773468
XL	1.721077
XXL	0.123077

G. Total Pizzas Sold by Pizza Category

```
select pizza_category , sum(quantity) as Quantity_Sold

from pizza_sales

group by pizza_category
```

Output



Result Grid | Filter Rows:

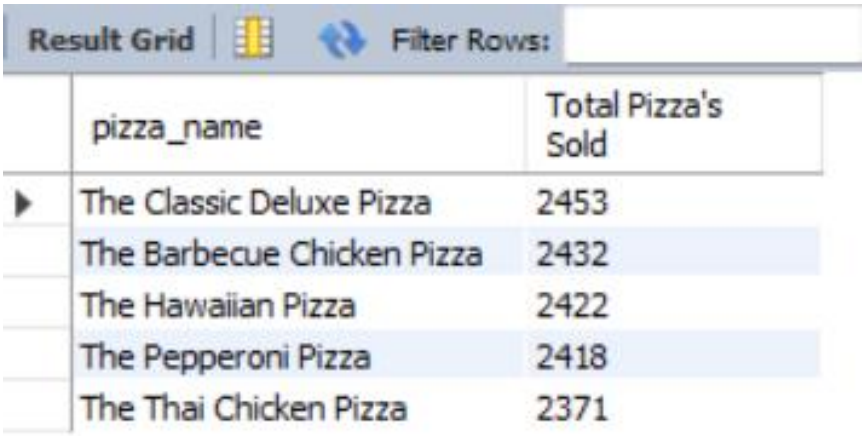
pizza_category	Quantity_Sold
Classic	14888
Veggie	11649
Supreme	11987
Chicken	11050

H. Top 5 Pizzas by Quantity

```
select pizza_name ,Sum(quantity) as "Total Pizza's Sold"

from pizza_sales

group by pizza_Name
```

```
order by Sum(quantity) DESC

limit 5;
```

Output

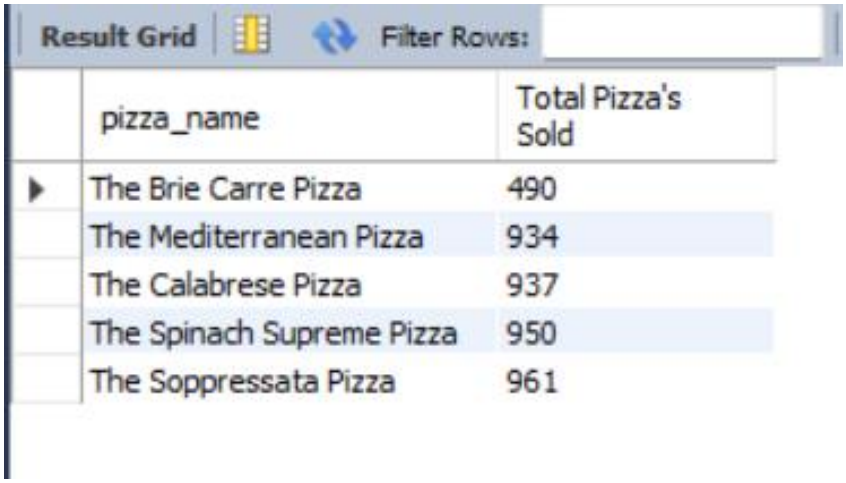


pizza_name	Total Pizza's Sold
The Classic Deluxe Pizza	2453
The Barbecue Chicken Pizza	2432
The Hawaiian Pizza	2422
The Pepperoni Pizza	2418
The Thai Chicken Pizza	2371

I. Bottom 5 Pizza by Quantity

```
select pizza_name ,Sum(quantity) as "Total Pizza's Sold"

from pizza_sales

group by pizza_Name

order by Sum(quantity) ASC

limit 5;
```

Output



pizza_name	Total Pizza's Sold
The Brie Carre Pizza	490
The Mediterranean Pizza	934
The Calabrese Pizza	937
The Spinach Supreme Pizza	950
The Soppressata Pizza	961

J. Top 5 Pizza by Revenue

```
select pizza_name , sum(total_price) as Revenue
from pizza_sales
group by pizza_name
order by Revenue desc
limit 5;
```

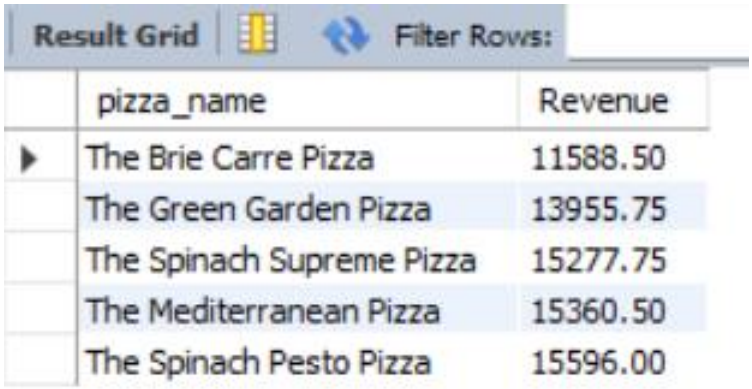
Output

pizza_name	Revenue
The Thai Chicken Pizza	43434.25
The Barbecue Chicken Pizza	42768.00
The California Chicken Pizza	41409.50
The Classic Deluxe Pizza	38180.50
The Spicy Italian Pizza	34831.25

K.Bottom 5 Pizza by Revenue

```
select pizza_name , sum(total_price) as Revenue
from pizza_sales
group by pizza_name
order by Revenue Asc
limit 5;
```

Output



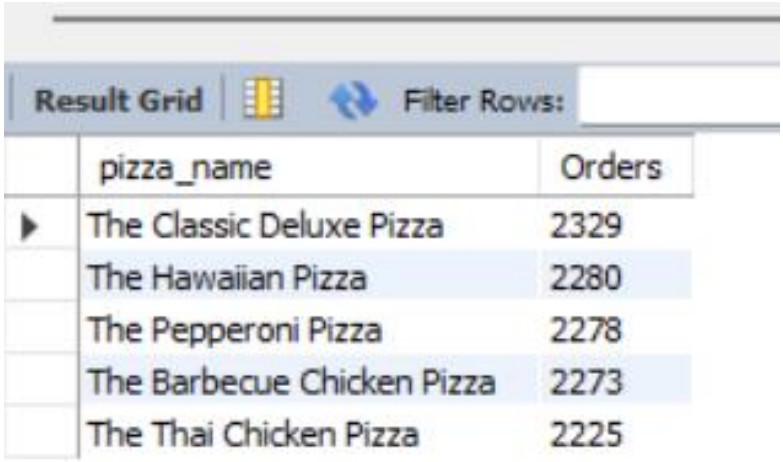
Result Grid | Filter Rows:

pizza_name	Revenue
The Brie Carre Pizza	11588.50
The Green Garden Pizza	13955.75
The Spinach Supreme Pizza	15277.75
The Mediterranean Pizza	15360.50
The Spinach Pesto Pizza	15596.00

L.Top 5 Pizza by Total Orders

```
select pizza_name , count(distinct order_Id) as Orders

from pizza_sales

group by  pizza_name

order by Orders desc

limit 5
```

Output



Result Grid | Filter Rows:

pizza_name	Orders
The Classic Deluxe Pizza	2329
The Hawaiian Pizza	2280
The Pepperoni Pizza	2278
The Barbecue Chicken Pizza	2273
The Thai Chicken Pizza	2225

M.Bottom 5 Pizza by Total Orders

```
select pizza_name , count(distinct order_Id) as Orders

from pizza_sales

group by  pizza_name

order by Orders asc

limit 5;
```

Output

Result Grid | Filter Rows:

pizza_name	Orders
The Brie Carre Pizza	480
The Mediterranean Pizza	912
The Calabrese Pizza	918
The Spinach Supreme Pizza	918
The Chicken Pesto Pizza	938

NOTE

1. If you want to apply the Month, Quarter, Week filters to the above queries you can use WHERE clause. Follow some of below examples

```
SELECT
    DAYNAME(order_date) AS order_day,
    COUNT(DISTINCT order_id) AS total_orders
FROM pizza_sales
WHERE MONTH(order_date) = 1
GROUP BY DAYNAME(order_date);
```

**Here MONTH(order_date) = 1 indicates that the output is for the month of January. MONTH(order_date) = 4 indicates output for Month of April.*

```
SELECT
    DAYNAME(order_date) AS order_day,
    COUNT(DISTINCT order_id) AS total_orders
FROM pizza_sales
WHERE QUARTER(order_date) = 1
GROUP BY DAYNAME(order_date);
```

**Here QUARTER(*order_date*) is used to filter data by quarters, whereas MONTH(*order_date*) filters a specific month only.*

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

```
SELECT
    pizza_name,
    COUNT(DISTINCT order_id) AS Total_Orders
FROM pizza_sales
WHERE pizza_category = 'Classic'
GROUP BY pizza_name
ORDER BY Total_Orders ASC
LIMIT 5;
```