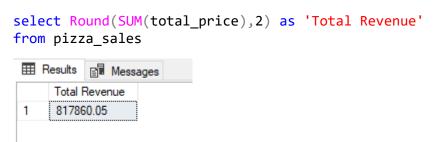
# Pizza Sales Queries According to Business Queries Using SQL

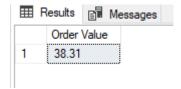
# A. KPI

#### 1. Total Revenue



#### 2. Order Value

select SUM(total\_price) /(COUNT(Distinct order\_id)) as 'Order Value'
from pizza\_sales



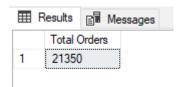
#### 3. Total Pizzas Sold

select SUM(quantity) as 'Total Pizzas Sold'
from pizza\_sales



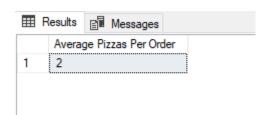
#### 4.Total Order

select (COUNT(Distinct order\_id)) as 'Total Orders'
from pizza\_sales



# 5. Average Pizzas Per Order

```
select SUM(quantity)/(COUNT(Distinct order_id)) as 'Average Pizzas Per
Order'
from pizza_sales
```



# **B.** Chart Requirements

# 1. hourly trend for total ORDERS

```
select DATEPART(HOUR, ORDER_TIME) AS 'ORDER HOUR', COUNT(Distinct
order_id) as 'Total Orders'
FROM pizza_sales
GROUP BY DATEPART(HOUR, order_time)
ORDER BY DATEPART(HOUR, order_time)
```

	ORDER HOUR	Total Orders
1	9	1
2	10	8
3	11	1231
4	12	2520
5	13	2455
6	14	1472
7	15	1468
8	16	1920
9	17	2336
10	18	2399
11	19	2009
12	20	1642
13	21	1198
14	22	663
15	23	28

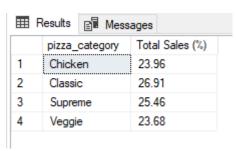
#### 2. WEEKLY trend for total ORDERS

```
select DATEPART(iso_WEEK,order_date) AS 'WEEK NUMBER',YEAR(order_date),
COUNT(Distinct order_id) as 'Total Orders'
FROM pizza_sales
GROUP BY DATEPART(iso_WEEK,order_date),YEAR(order_date)
ORDER BY DATEPART(iso_WEEK,order_date),YEAR(order_date)
```

⊞ Results			
	WEEK NUMBER	(No column name)	Total Orders
1	1	2015	254
2	2	2015	427
3	3	2015	400
4	4	2015	415
5	5	2015	436
6	6	2015	422
7	7	2015	423
8	8	2015	393
9	9	2015	409
10	10	2015	420
11	11	2015	404
12	12	2015	416
13	13	2015	427
14	14	2015	433
15	15	2015	408

#### 3.PERCENTAGE OF SALES BY PIZZA CATEGORY

```
select pizza_category ,ROUND(SUM(total_price)*100/(select sum(total_price)
from pizza_sales),2) as 'Total Sales (%)'
from pizza_sales
GROUP BY pizza_category
order by pizza_category
```



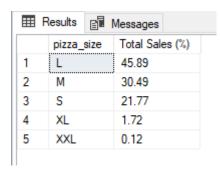
#### 3.1 PERCENTAGE OF SALES BY PIZZA CATEGORY for January

```
select pizza_category ,ROUND(SUM(total_price)*100/(select sum(total_price)
from pizza_sales),2) as 'Total Sales (%)'
from pizza_sales
where MONTH(order_date)=1 //can be applied in any queries
GROUP BY pizza_category
order by pizza_category
```

	pizza_category	Total Sales (%)
1	Chicken	1.98
2	Classic	2.28
3	Supreme	2.19
4	Veggie	2.09

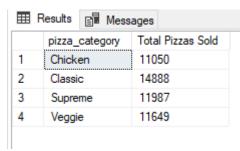
#### 4. PERCENTAGE OF SALES BY PIZZA size

```
select pizza_size, ROUND(SUM(total_price)*100/(select sum(total_price)
from pizza_sales),2) as 'Total Sales (%)'
from pizza_sales
group by pizza_size
order by pizza size
```



#### 5. Total Pizzas Sold by Category

```
select pizza_category,SUM(quantity) as 'Total Pizzas Sold'
from pizza_sales
group by pizza_category
order by pizza_category
```



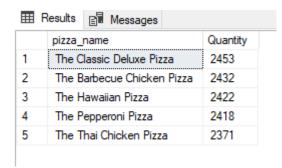
#### 6.a: Top 5 Best Selling pizzas based on Revenue

```
SELECT top 5 pizza_name, ROUND(SUM(total_price), 2) AS "Revenue"
FROM pizza_sales
GROUP BY pizza_name
ORDER BY "Revenue" DESC
```

	pizza_name	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

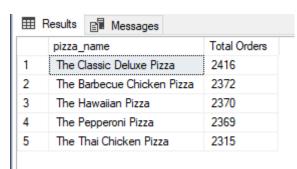
### 6.b: Top 5 Best Selling pizzas based on Quantity

```
SELECT top 5 pizza_name,SUM(quantity) AS "Quantity"
FROM pizza_sales
GROUP BY pizza_name
ORDER BY "Quantity" DESC
```



#### 6.c: Top 5 Best Selling pizzas based on Total Orders

```
SELECT top 5 pizza_name, COUNT(order_id) AS "Total Orders" FROM pizza_sales GROUP BY pizza_name ORDER BY "Total Orders" DESC
```



## 7.a: Bottom 5 Best Selling pizzas based on Revenue

```
SELECT top 5 pizza_name, ROUND(SUM(total_price), 2) AS "Revenue"
FROM pizza_sales
GROUP BY pizza_name
ORDER BY "Revenue"
```

	Results 🖺 Messages	
	pizza_name	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

# 7.b: Bottom 5 Best Selling pizzas based on Quantity

```
SELECT top 5 pizza_name, SUM(quantity) AS "Quantity"
FROM pizza_sales
GROUP BY pizza_name
ORDER BY "Quantity"
```

	pizza_name	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

#### 7.c: Bottom 5 Best Selling pizzas based on Total Orders

```
SELECT top 5 pizza_name, COUNT(order_id) AS "Total Orders"
FROM pizza_sales
GROUP BY pizza_name
ORDER BY "Total Orders"
```

	pizza_name	Total Orders
1	The Brie Carre Pizza	480
2	The Mediterranean Pizza	923
3	The Calabrese Pizza	927
4	The Spinach Supreme	940
5	The Soppressata Pizza	957