

## SQL Queries for Pizza sales

1. Data `select * from pizza_sales;`

	pizza_id	order_id	pizza_name_id	quantity	order_date	order_time	unit_price	total_price	pizza_size	pizza_category	pizza_ingredients	pizza_name
1	774	336	prsc_aruga_l	1	2015-01-06	14:51:41.0000000	20.75	20.75	L	Supreme	Prosciutto di San Daniele, Arugula, Mozzarella Cheese	The Prosciutto and Arugula Pizza
2	775	337	hawaiian_l	1	2015-01-06	15:03:12.0000000	16.5	16.5	L	Classic	Sliced Ham, Pineapple, Mozzarella Cheese	The Hawaiian Pizza
3	776	337	pepperoni_l	1	2015-01-06	15:03:12.0000000	15.25	15.25	L	Classic	Mozzarella Cheese, Pepperoni	The Pepperoni Pizza
4	777	338	mexicana_l	1	2015-01-06	15:18:26.0000000	20.25	20.25	L	Veggie	Tomatoes, Red Peppers, Jalapeno Peppers, Red Onio...	The Mexicana Pizza
5	778	338	thai_chn_l	1	2015-01-06	15:18:26.0000000	20.75	20.75	L	Chicken	Chicken, Pineapple, Tomatoes, Red Peppers, Thai Sw...	The Thai Chicken Pizza
6	779	338	the_greek_xl	1	2015-01-06	15:18:26.0000000	25.5	25.5	XL	Classic	Kalamata Olives, Feta Cheese, Tomatoes, Garlic, Beef...	The Greek Pizza
7	780	339	spicy_ital_m	1	2015-01-06	15:25:13.0000000	16.5	16.5	M	Supreme	Capocollo, Tomatoes, Goat Cheese, Artichokes, Peper...	The Spicy Italian Pizza
8	781	340	peppr_salami_s	1	2015-01-06	15:35:32.0000000	12.5	12.5	S	Supreme	Genoa Salami, Capocollo, Pepperoni, Tomatoes, Asia...	The Pepper Salami Pizza
9	782	341	bbq_chn_m	1	2015-01-06	15:35:47.0000000	16.75	16.75	M	Chicken	Barbecued Chicken, Red Peppers, Green Peppers, To...	The Barbecue Chicken Pizza
10	783	341	pepperoni_s	1	2015-01-06	15:35:47.0000000	9.75	9.75	S	Classic	Mozzarella Cheese, Pepperoni	The Pepperoni Pizza
11	784	342	sicilian_l	1	2015-01-06	15:44:12.0000000	20.25	20.25	L	Supreme	Coarse Sicilian Salami, Tomatoes, Green Olives, Luga...	The Sicilian Pizza
12	785	342	southw_chn_l	1	2015-01-06	15:44:12.0000000	20.75	20.75	L	Chicken	Chicken, Tomatoes, Red Peppers, Red Onions, Jalape...	The Southwest Chicken Pizza
13	786	343	five_cheese_l	1	2015-01-06	15:45:37.0000000	18.5	18.5	L	Veggie	Mozzarella Cheese, Provolone Cheese, Smoked Goud...	The Five Cheese Pizza
14	787	343	four_cheese_m	1	2015-01-06	15:45:37.0000000	14.75	14.75	M	Veggie	Ricotta Cheese, Gorgonzola Piccante Cheese, Mozzar...	The Four Cheese Pizza
15	788	344	ital_cpollo_m	1	2015-01-06	16:01:11.0000000	16	16	M	Classic	Capocollo, Red Peppers, Tomatoes, Goat Cheese, Gar...	The Italian Capocollo Pizza
16	789	345	peppr_salami_s	1	2015-01-06	16:01:47.0000000	12.5	12.5	S	Supreme	Genoa Salami, Capocollo, Pepperoni, Tomatoes, Asia...	The Pepper Salami Pizza

2. Total Revenue `select sum(total_price) as total_revenue from pizza_sales;`

	total_revenue
1	817860.05083847

3. Total Pizzas Sold `select sum(quantity) as total_pizzas_sold from pizza_sales;`

	total_pizzas_sold
1	49574

4. Average Order Value `select sum(total_price) / count(distinct order_id) as avg_order_value from pizza_sales;`

	avg_order_value
1	38.3072623343546

5. **Total Orders** `select count(distinct order_id) as total_orders from pizza_sales;`

	total_orders
1	21350

6. **Average Pizzas 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_pizzas_per_order from pizza_sales;`

	avg_pizzas_per_order
1	2.32

### Chart Requirements:

1. **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

2. **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

3. **Percentage of Sales by Pizza Category** `select pizza_category, cast(sum(total_price) as decimal(10,3)) as total_sales, cast(sum(total_price)*100 / (select sum(total_price) from pizza_sales where month(order_date) = 1) as decimal(10,3)) as perc_total_sales from pizza_sales where month(order_date) = 1 group by pizza_category;`

	pizza_category	total_sales	perc_total_sales
1	Classic	18619.400	26.678
2	Chicken	16188.750	23.195
3	Veggie	17055.400	24.437
4	Supreme	17929.750	25.690

4. **Percentage of Sales by Pizza Size** `select pizza_size, cast(sum(total_price) as decimal(10,3)) as total_sales, cast(sum(total_price)*100 / (select sum(total_price) from pizza_sales where datepart(quarter, order_date) = 1) as decimal(10,3)) as perc_total_sales from pizza_sales where datepart(quarter, order_date) = 1 group by pizza_size order by perc_total_sales desc;`

5.

	pizza_size	total_sales	perc_total_sales
1	L	95229.650	46.374
2	M	61159.000	29.783
3	S	45384.250	22.101
4	XL	3289.500	1.602
5	XXL	287.600	0.140

6. **Top 5 Pizzas 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. **Bottom 5 Pizzas 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 Carre 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

8. **Top 5 Pizzas by Quantity** `select top 5 pizza_name, sum(quantity) as total_pizzas from pizza_sales group by pizza_name order by total_pizzas desc;`

Results Messages		
	pizza_name	total_pizzas
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

9. **Bottom 5 Pizzas by Quantity** `select top 5 pizza_name, sum(quantity) as total_pizzas from pizza_sales group by pizza_name order by total_pizzas asc;`

Results Messages		
	pizza_name	total_pizzas
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

10. **Top 5 Pizzas by Orders** `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

11. **Bottom 5 Pizzas by Orders** `select top 5 pizza_name, count(distinct order_id) as total_orders from pizza_sales group by pizza_name order by total_orders asc;`

	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