

PIZZA SALES PROJECT

SQL QUERIES

--Retrieving all pizza data

```
SELECT * FROM pizza_sales
```

Results Messages												
	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	1	1	hawaiian_m	1	2015-01-01	11:38:36.0000000	13.25	13.25	M	Classic	Sliced Ham, Pineapple, Mozzarella Cheese	The Hawaiian Pizza
2	2	2	classic_dlx_m	1	2015-01-01	11:57:40.0000000	16	16	M	Classic	Pepperoni, Mushrooms, Red Onions, Red Peppers, B...	The Classic Deluxe Pizza
3	3	2	five_cheese_l	1	2015-01-01	11:57:40.0000000	18.5	18.5	L	Veggie	Mozzarella Cheese, Provolone Cheese, Smoked Goud...	The Five Cheese Pizza
4	4	2	ital_supr_l	1	2015-01-01	11:57:40.0000000	20.75	20.75	L	Supreme	Calabrese Salami, Capocollo, Tomatoes, Red Onions...	The Italian Supreme Pizza
5	5	2	mexicana_m	1	2015-01-01	11:57:40.0000000	16	16	M	Veggie	Tomatoes, Red Peppers, Jalapeno Peppers, Red Onio...	The Mexicana Pizza
6	6	2	thai_chn_l	1	2015-01-01	11:57:40.0000000	20.75	20.75	L	Chicken	Chicken, Pineapple, Tomatoes, Red Peppers, Thai Sw...	The Thai Chicken Pizza
7	7	3	ital_supr_m	1	2015-01-01	12:12:28.0000000	16.5	16.5	M	Supreme	Calabrese Salami, Capocollo, Tomatoes, Red Onions, ...	The Italian Supreme Pizza
8	8	3	prsc_argla_l	1	2015-01-01	12:12:28.0000000	20.75	20.75	L	Supreme	Prosciutto di San Daniele, Arugula, Mozzarella Cheese	The Prosciutto and Arugula Pizza
9	9	4	ital_supr_m	1	2015-01-01	12:16:31.0000000	16.5	16.5	M	Supreme	Calabrese Salami, Capocollo, Tomatoes, Red Onions, ...	The Italian Supreme Pizza
10	10	5	ital_supr_m	1	2015-01-01	12:21:30.0000000	16.5	16.5	M	Supreme	Calabrese Salami, Capocollo, Tomatoes, Red Onions, ...	The Italian Supreme Pizza

--TOTAL REVENUE of Pizza Sales

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

Results Messages	
	Total_Revenue
1	817860.05083847

--AVERAGE ORDER VALUE

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

Results Messages	
	AVG_Order_Value
1	38.3072623343546

--TOTAL PIZZAS SOLD the sum of quantities of all pizzas sold

```
SELECT COUNT(DISTINCT order_id) AS 'Total Pizzas Sold'  
FROM pizza_sales
```

170 %

Results Messages	
	Total Pizzas Sold
1	21350

--AVERAGE PIZZAS PER ORDER (Used 'cast' function to reduce decimal values)

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

Results Messages	
	(No column name)
1	2.32

```
-- DAILY PIZZA SALES
SELECT DATENAME(dw,order_date) as 'Day',COUNT(DISTINCT order_id) AS Total_Orders FROM
PIZZA_SALES
GROUP BY DATENAME(dw,order_date);
```

	Day	Total_Orders
1	Saturday	3158
2	Wednesday	3024
3	Monday	2794
4	Sunday	2624
5	Friday	3538
6	Thursday	3239
7	Tuesday	2973

```
-- MONTHLY PIZZA SALES
SELECT DATENAME(MONTH,order_date) AS Month,COUNT(DISTINCT order_id) AS Total_Orders
FROM pizza_sales
GROUP BY DATENAME(MONTH,order_date)
```

	Month	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

```
--PERCENTAGE OF SALES
SELECT
pizza_category,
CAST(SUM(total_price) AS DECIMAL(10,2)) AS Total_Price,
CONCAT(CAST(SUM(total_price)*100/(SELECT SUM(total_price) FROM pizza_sales) AS
DECIMAL(10,2)), '%') as Percentage
FROM pizza_sales
GROUP BY pizza_category;
```

	pizza_category	Total_Price	Percentage
1	Classic	220053.10	26.91%
2	Chicken	195919.50	23.96%
3	Veggie	193690.45	23.68%
4	Supreme	208197.00	25.46%

--Percentage of pizza size

```
SELECT
pizza_size ,CAST(SUM(total_price) AS DECIMAL(10,2)) AS Total_price,
CAST(SUM(total_price)*100/(SELECT SUM(total_price) FROM pizza_sales) AS
DECIMAL(10,2))AS Percentage
FROM pizza_sales
GROUP BY pizza_size
ORDER BY Percentage DESC;
```

	pizza_size	Total_price	Percentage
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

--Total pizzas sold by pizza Category

```
SELECT pizza_category,sum(quantity) AS Total_pizzas
FROM pizza_sales
GROUP BY pizza_category
ORDER BY Total_pizzas DESC;
```

	pizza_category	Total_pizzas
1	Classic	14888
2	Supreme	11987
3	Veggie	11649
4	Chicken	11050

--Top 5 Sellers by Total Pizzas Sold

```
SELECT TOP 5 pizza_name ,SUM(total_price) AS Total_Price
FROM pizza_sales
GROUP BY pizza_name
ORDER BY Total_Price DESC;
```

	pizza_name	Total_Price
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

--Bottom 5 Sellers by Total pizzas sold

```
SELECT TOP 5 pizza_name,SUM(total_price) AS Total_Price
FROM pizza_sales
GROUP BY pizza_name
ORDER BY Total_Price ASC;
```

	pizza_name	Total_Price
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