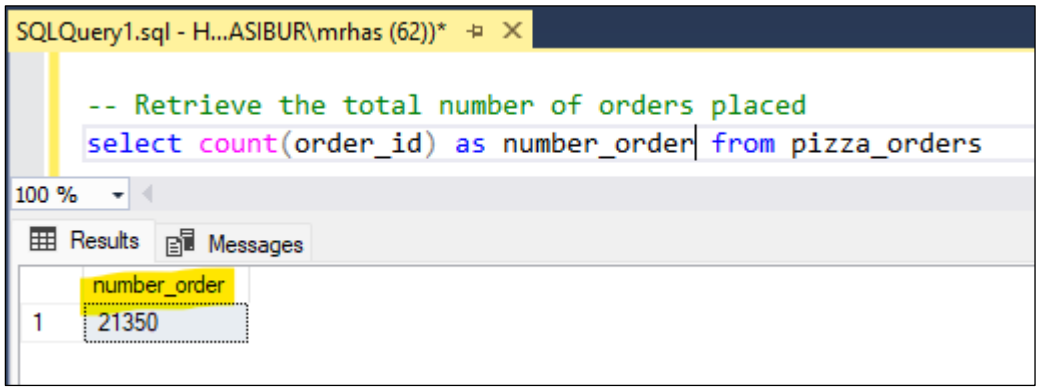
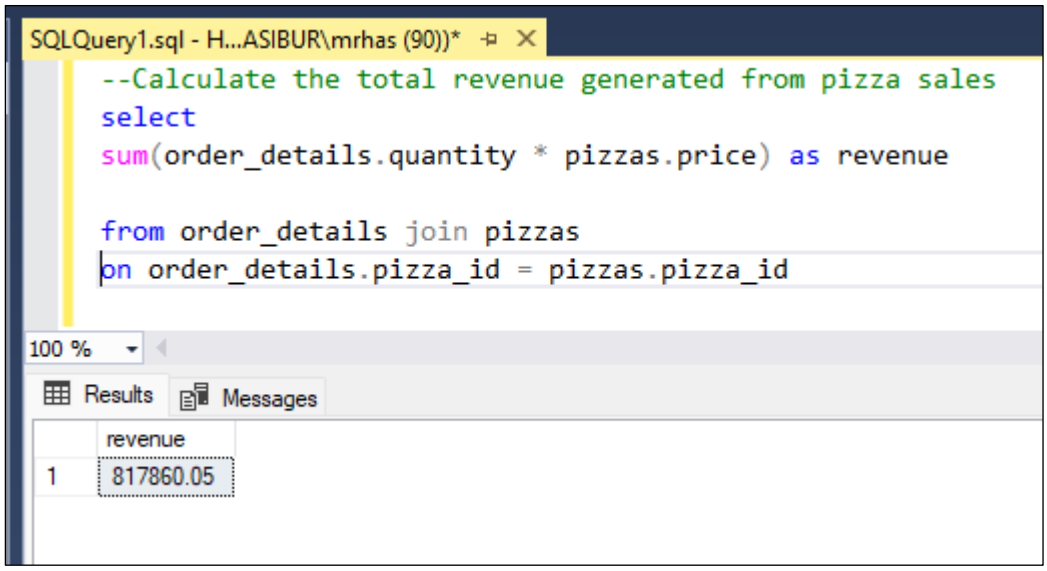
Pizza Sales Analysis via SQL Server

Total number of orders placed



Total revenue generated from pizza sales:



Most Expensive Pizza:

```sql
 --To the highest pirced pizza type
select top 1
pizza_types.name as pizza_type , pizzas.price
from pizza_types join pizzas
on pizza_types.pizza_type_id = pizzas.pizza_type_id
order by pizzas.price desc
```

00 %

Results | Messages

	pizza_type	price
1	The Greek Pizza	35.95

Most Popular Pizza Size:

SQLQuery1.sql - H...ASIBUR\mrhas (90))*

```sql
--Identify the most common pizza size ordered

select top 1 pizzas.size, count(order_details.order_details_id) as Order_number
from pizzas join order_details
on pizzas.pizza_id = order_details.pizza_id
group by pizzas.size
```

100 %

Results | Messages

	size	Order_number
1	L	18526

Top 5 most ordered pizza types along with their quantities:

SQLQuery1.sql - H...ASIBUR\mrhas (90))*

```
--List the top 5 most ordered pizza types along with their quantities

select top 5
pizza_types.name, sum(order_details.quantity) as order_quantity
from pizza_types join pizzas on pizza_types.pizza_type_id = pizzas.pizza_type_id
join order_details on order_details.pizza_id = pizzas.pizza_id
group by pizza_types.name
order by order_quantity desc
```

100 %

Results | Messages

	name	order_quantity
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

Total quantity of each pizza category ordered

SQLQuery1.sql - H...ASIBUR\mrhas (90))*

```
--Total quantity of each pizza category ordered

select pizza_types.category,
sum(order_details.quantity) as quantity
from pizza_types join pizzas
on pizza_types.pizza_type_id = pizzas.pizza_type_id
join order_details
on order_details.pizza_id = pizzas.pizza_id
group by pizza_types.category
order by quantity desc;
```

100 %

Results | Messages

	category	quantity
1	Classic	14888
2	Supreme	11987
3	Veggie	11649
4	Chicken	11050

Distribution of orders over hours of the day

SQLQuery1.sql - H...ASIBUR\mrhas (90))*

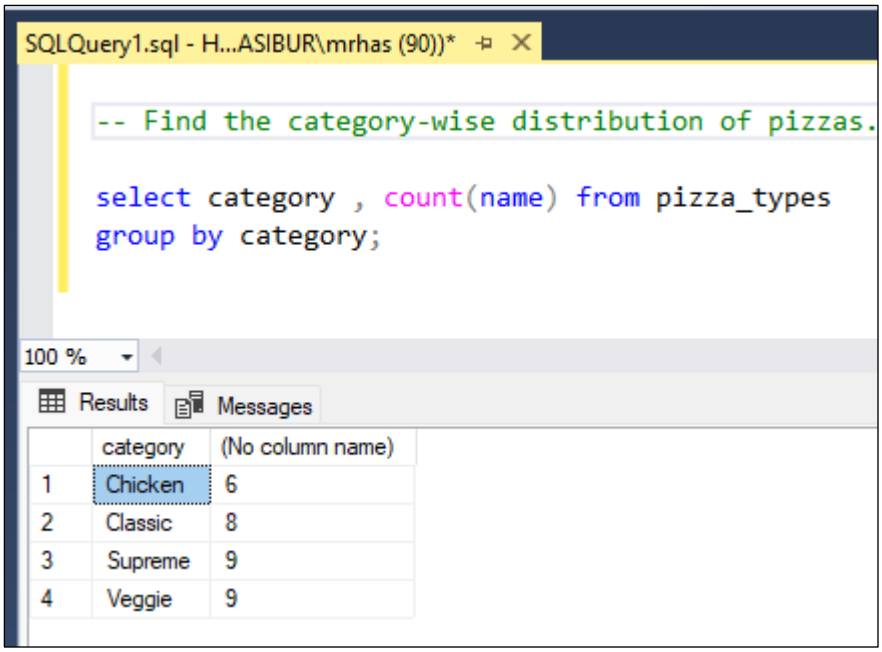
```
--Determine the distribution of orders by hour of the day

select
    datepart(hour, orders_time) as hour,
    count(order_id) as order_count
from pizza_orders as orders
GROUP BY datepart(hour, orders_time)
order by hour
```

100 %

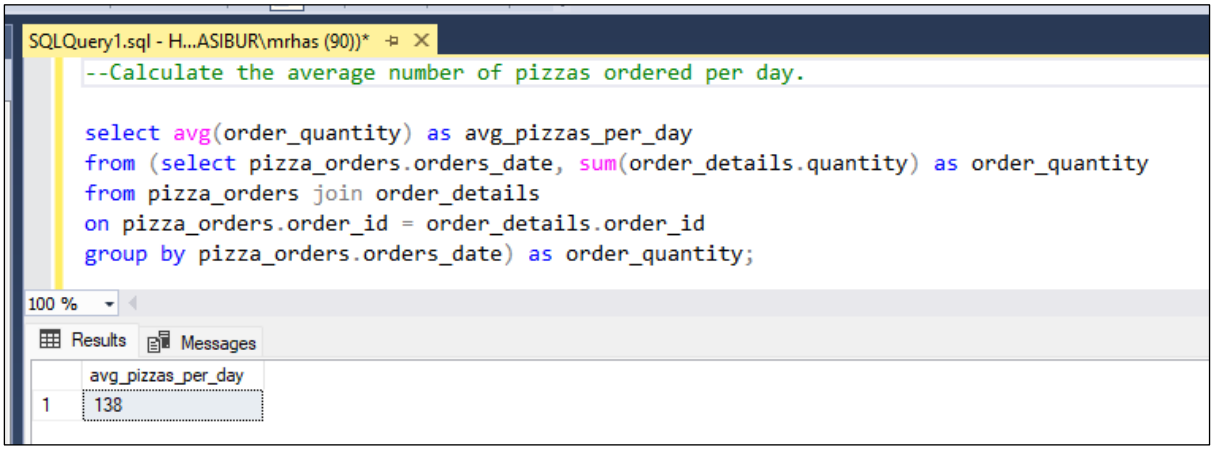
Results | Messages

	hour	order_count
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

Category-wise distribution of pizzas



Average number of pizzas ordered per day



The top 3 most ordered pizza types based on revenue

SQLQuery1.sql - H...ASIBUR\mrhas (90))*

```
--Determine the top 3 most ordered pizza types based on revenue.

select top 3 pizza_types.name,
sum(order_details.quantity * pizzas.price) as revenue
from pizza_types join pizzas
on pizzas.pizza_type_id = pizza_types.pizza_type_id
join order_details
on order_details.pizza_id = pizzas.pizza_id
group by pizza_types.name order by revenue desc;
```

100 %

Results | Messages

	name	revenue
1	The Thai Chicken Pizza	43434.25
2	The Barbecue Chicken Pizza	42768.00
3	The California Chicken Pizza	41409.50

The contribution percentage of each pizza type to total revenue

```
select pizza_types.category,
(sum(order_details.quantity*pizzas.price) / (select
(sum(order_details.quantity * pizzas.price)) as total_sales
from
order_details JOIN pizzas on pizzas.pizza_id = order_details.pizza_id) )*100 as pct_revenue
from pizza_types join pizzas

on pizza_types.pizza_type_id = pizzas.pizza_type_id
join order_details
on order_details.pizza_id = pizzas.pizza_id
group by pizza_types.category order by pct_revenue desc
```

100 %

Results | Messages

	category	pct_revenue
1	Classic	26.90
2	Supreme	25.45
3	Chicken	23.95
4	Veggie	23.68

Analyse the cumulative revenue generated over time

SQLQuery1.sql - H...ASIBUR\mrhas (90))*

```
-- Analyze the cumulative revenue generated over time.

select orders_date, sum(revenue)
over (order by orders_date) as cum_revenue
from
(select pizza_orders.orders_date,
sum(order_details.quantity * pizzas.price) as revenue
from order_details join pizzas
on order_details.pizza_id = pizzas.pizza_id
join pizza_orders
on pizza_orders.order_id = order_details.order_id
group by pizza_orders.orders_date) as sales
```

100 %

Results | Messages

	orders_date	cum_revenue
1	2015-01-01	2713.85
2	2015-01-02	5445.75
3	2015-01-03	8108.15
4	2015-01-04	9863.60
5	2015-01-05	11929.55
6	2015-01-06	14358.50
7	2015-01-07	16560.70
8	2015-01-08	19399.05
9	2015-01-09	21526.40
10	2015-01-10	23990.35
11	2015-01-11	25862.65
12	2015-01-12	27781.70
13	2015-01-13	29831.30
14	2015-01-14	32358.70
15	2015-01-15	34343.50
16	2015-01-16	36937.65

Ranking of the most ordered pizza types based on revenue for each pizza category

SQLQuery1.sql - H...ASIBUR\mrhas (90))*

```sql
-- Rank the most ordered pizza types based on revenue for each pizza category.
select category, name, revenue,
rank() over(partition by category order by revenue desc) as rank

from
(select pizza_types.category, pizza_types.name,
sum((order_details.quantity) * pizzas.price) as revenue
from pizza_types join pizzas
on pizza_types.pizza_type_id = pizzas.pizza_type_id
join order_details
on order_details.pizza_id = pizzas.pizza_id
group by pizza_types.category, pizza_types.name) as a
```

100 %

Results | Messages

	category	name	revenue	rank
1	Chicken	The Thai Chicken Pizza	43434.25	1
2	Chicken	The Barbecue Chicken Pizza	42768.00	2
3	Chicken	The California Chicken Pizza	41409.50	3
4	Chicken	The Southwest Chicken Pizza	34705.75	4
5	Chicken	The Chicken Alfredo Pizza	16900.25	5
6	Chicken	The Chicken Pesto Pizza	16701.75	6
7	Classic	The Classic Deluxe Pizza	38180.50	1
8	Classic	The Hawaiian Pizza	32273.25	2
9	Classic	The Pepperoni Pizza	30161.75	3
10	Classic	The Greek Pizza	28454.10	4
11	Classic	The Italian Capocollo Pizza	25094.00	5
12	Classic	The Napolitana Pizza	24087.00	6
13	Classic	The Big Meat Pizza	22968.00	7
14	Classic	The Pepperoni, Mushroom, and Peppers Pizza	18834.50	8
15	Supreme	The Spicy Italian Pizza	34831.25	1
16	Supreme	The Italian Supreme Pizza	33476.75	2
17	Supreme	The Sicilian Pizza	30940.50	3
18	Supreme	The Pepper Salami Pizza	25529.00	4
19	Supreme	The Prosciutto and Arugula Pizza	24193.25	5
20	Supreme	The Soppressata Pizza	16425.75	6
21	Supreme	The Calabrese Pizza	15934.25	7
22	Supreme	The Spinach Supreme Pizza	15277.75	8
23	Supreme	The Brie Carre Pizza	11588.50	9
24	Veggie	The Four Cheese Pizza	32265.70	1
25	Veggie	The Mexicana Pizza	26780.75	2