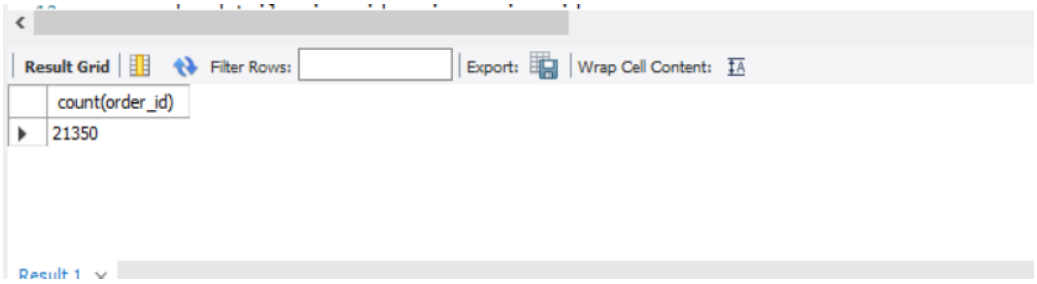
SQL Queries

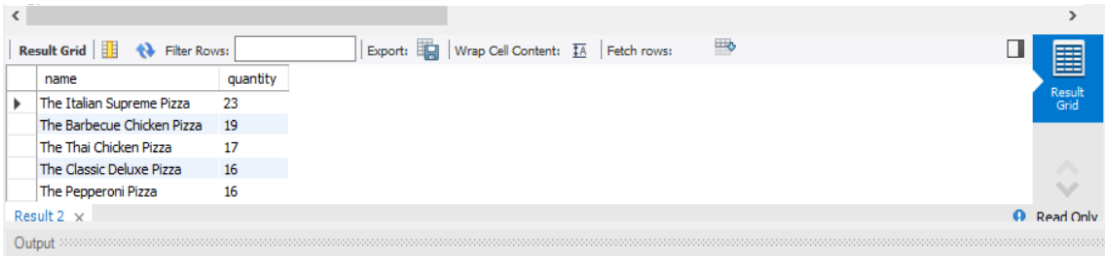
1. Retrieve total no. of orders placed

```
select count(order_id) from pizzahut.orders
```



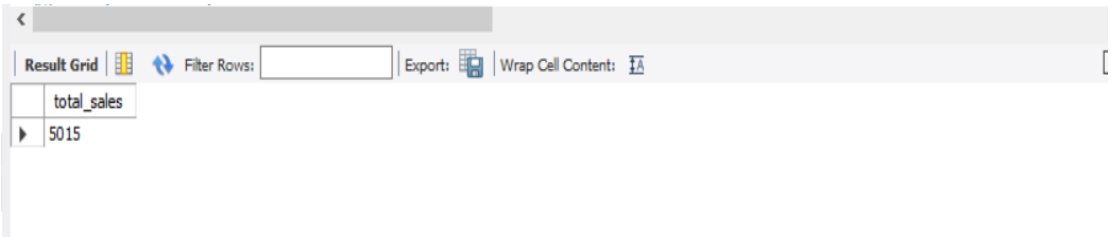
2. Top 5 pizza types along with their quantity

```
select pizza_types.name, 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.name
order by quantity desc limit 5;
```



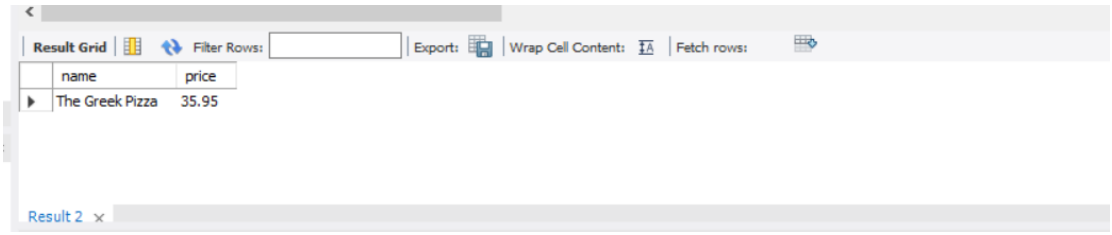
3. Calculate total revenue generated from pizza sales

```
select
sum(order_details.quantity * pizzas.price) as total_sales
from order_details join pizzas
on pizzas.pizza_id = order_details.pizza_id
```



4. Identify highest priced pizza

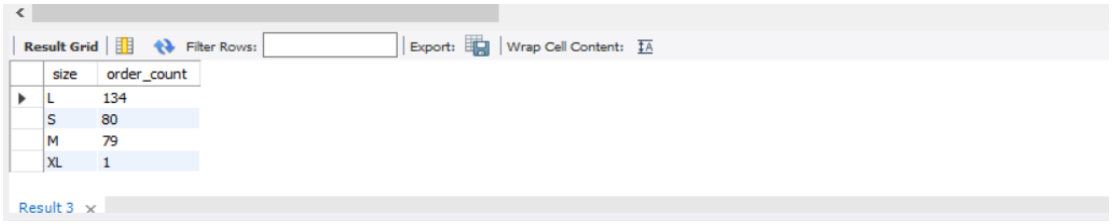
```
select
pizza_types.name, pizzas.price
from pizza_types join pizzas
on pizza_types.pizza_type_id= pizzas.pizza_type_id
order by pizzas.price desc limit 1;
```



5. Identify most common pizza size ordered

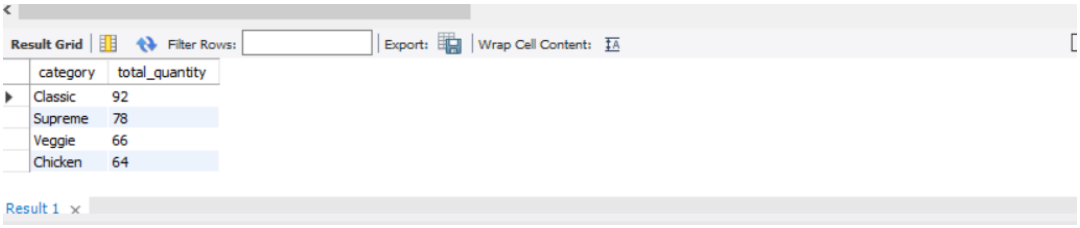
```
select pizzas.size, count(order_details.order_details_id) as
order_count
```

```
from pizzas join order_details
on pizzas.pizza_id = order_details.pizza_id
group by pizzas.size order by order_count desc ;
```



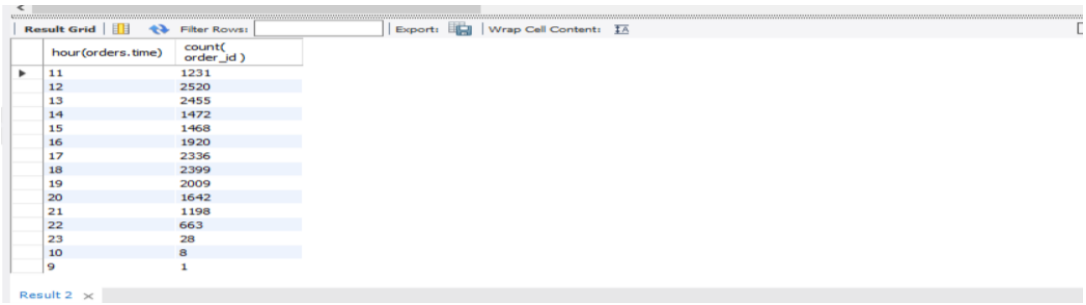
6. Total quantity of each pizza category ordered

```
select pizza_types.category, sum(order_details.quantity) as
total_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 total_quantity
desc;
```



7. Distribution of orders by hour of day

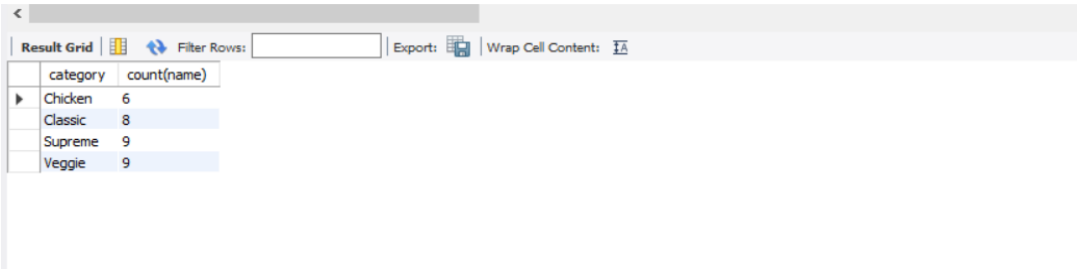
```
select hour(orders.time) ,count( order_id ) from orders
group by hour(orders.time);
```



hour(orders.time)	count(order_id)
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
10	8
9	1

8. Find category wise distribution of pizza

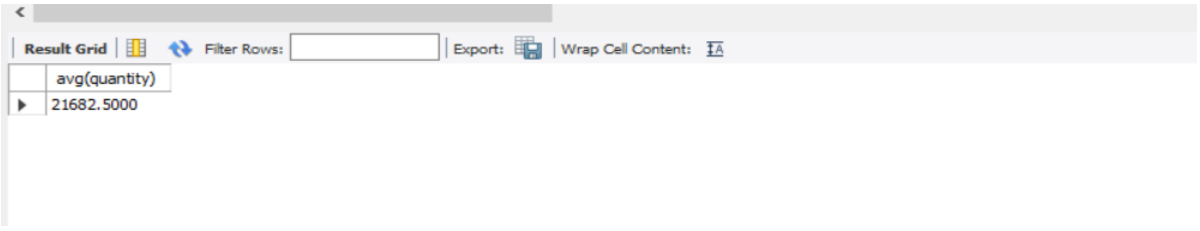
```
select category , count(name) from pizza_types
group by category;
```



category	count(name)
Chicken	6
Classic	8
Supreme	9
Veggie	9

9. Group the orders by date and calculate the avg no of pizzas ordered per day

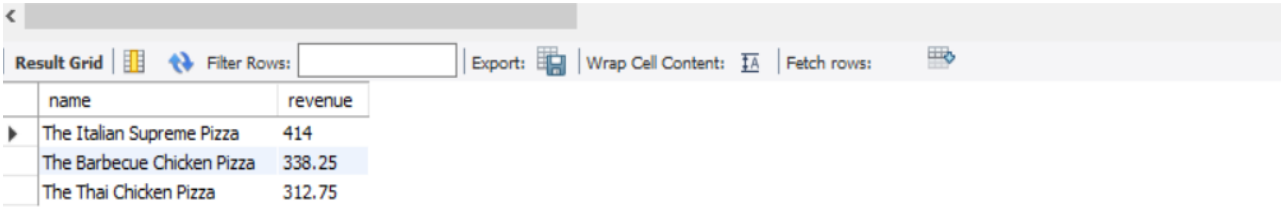
```
select avg(quantity) from
(select orders.date , sum(order_details.order_details_id)
as quantity
from orders join order_details
on orders.order_id = order_details.order_id
group by orders.date) as order_quantity;
```



avg(quantity)
21682.5000

10.Top 3 most ordered pizza based on revenue

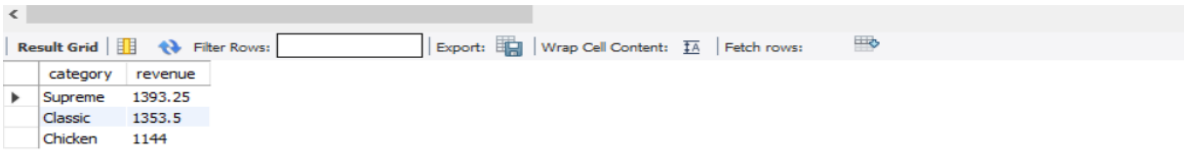
```
select pizza_types.name,
sum(order_details.quantity * pizzas.price) as revenue
from pizza_types join pizzas
on pizza_types.pizza_type_id = pizzas.pizza_type_id
join order_details
on order_details.pizza_id = pizzas.pizza_id
group by pizza_types.name order by revenue desc limit 3;
```



name	revenue
The Italian Supreme Pizza	414
The Barbecue Chicken Pizza	338.25
The Thai Chicken Pizza	312.75

11.Calculate % contribution of each pizza type to total revenue

```
select pizza_types.category,
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 order by revenue desc limit
3;
```



category	revenue
Supreme	1393.25
Classic	1353.5
Chicken	1144