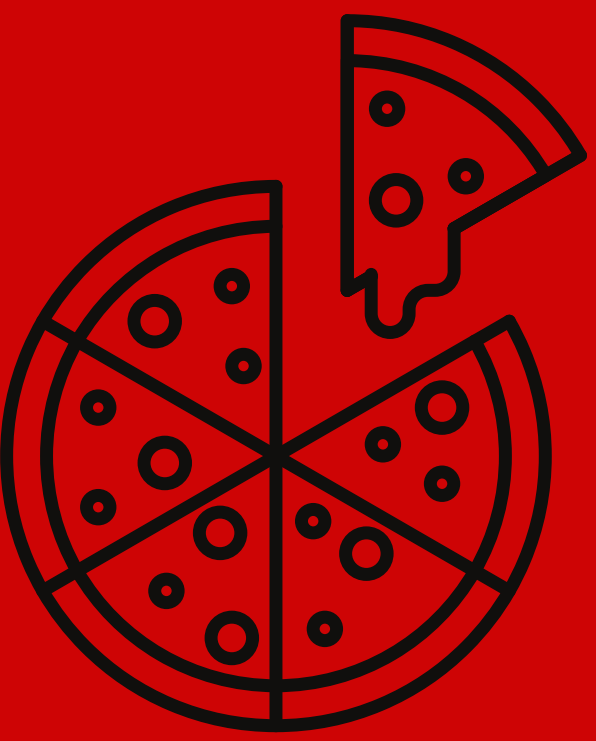
MYSQL PROJECT FOR PIZZA SHOP

In this project i have gained valuable insights from pizza shop using mysql



Calculating the total revenue generated from pizza sales.

Query

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

Result

Result Grid | Filte

	revenue
▶	817860.049999993

Identifying the highest-priced pizza

Query

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

Result

Result Grid | Filter Row

	name	price
▶	The Greek Pizza	35.95

Identifying the most common pizza size ordered.

Query

```sql
select pizzas.size,
count(order_detail.quantity) as q
from pizzas join order_detail
on pizzas.pizza_id=
order_detail.pizza_id
group by size order by q desc ;
```

Result

Result Grid | Filter Rows:

size	q
L	18526
M	15385
S	14137
XL	544
XXL	28

Listing the top 5 most ordered pizza types along with their quantities.

select

Query

```sql
select pizzas.pizza_type_id,
sum(order_detail.quantity) as a
from pizzas join order_detail
on pizzas.pizza_id = order_detail.pizza_id
group by pizza_type_id order by a desc limit 5;
```

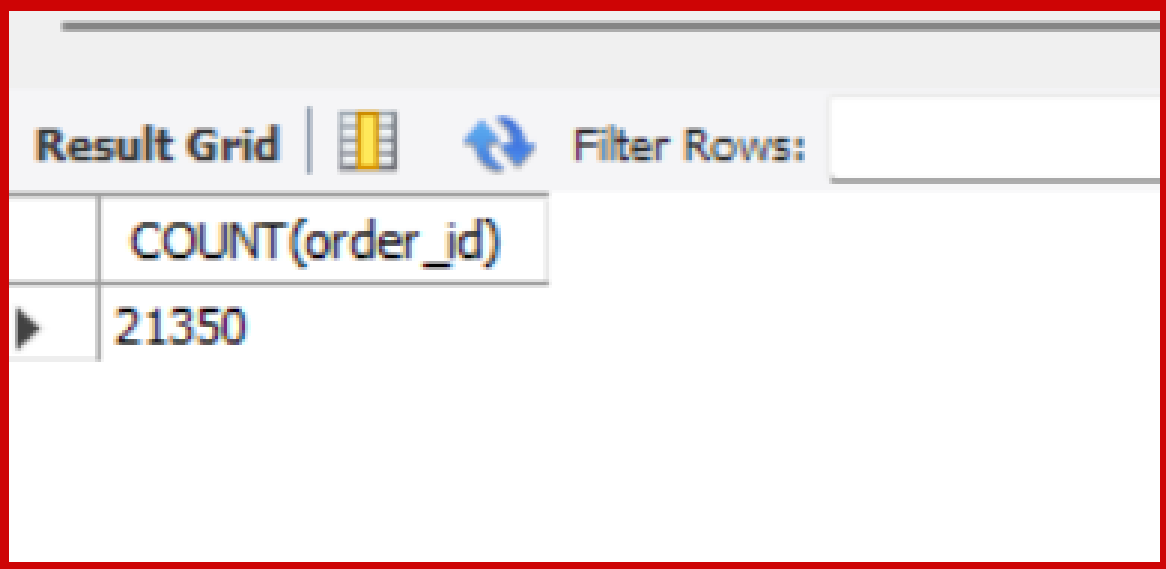
Result

Result Grid | Filter Rows:

pizza_type_id	a
classic_dlx	2453
bbq_ckn	2432
hawaiian	2422
pepperoni	2418

Retrieving the total number of orders placed.

```
SELECT COUNT(order_id) FROM orders
```



Determining the distribution of orders by hour of the day.

```sql
select hour(order_time) as h, count(order_id)
 from orders
 group by h
```

Result Grid | Filter Rows:

h	count(order_id)
11	1231
12	2520
13	2455
14	1472
15	1468
16	1020

Result 1

Joining relevant tables to find the category-wise distribution of pizzas

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

Result Grid | Filter Rows:

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

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

```sql
select pizza_types.pizza_type_id,
 sum(pizzas.price
 * order_detail.quantity)as rev
 from pizza_types join
 pizzas on
 pizza_types.pizza_type_id
 = pizzas.pizza_type_id
 join order_detail
 on order_detail.pizza_id=
 pizzas.pizza_id
 group by pizza_type_id order by rev desc;
```

Result Grid | Filter Rows:

pizza_type_id	rev
thai_ckn	43434.25
bbq_ckn	42768
cali_ckn	41409.5
classic_dlx	38180.5
spicy_ital	34831.25
southw_ckn	34705.75

Result 1

Grouping the orders by date and calculate the average number of pizzas ordered per day.

```sql
select avg(quan) from (
select orders.order_date,
sum(order_detail.quantity) as quan
from orders join order_detail
on orders.order_id=
order_detail.order_id
group by order_date
) as quant;
```

Result Grid | Filter Rows:

	avg(quan)
▶	138.4749