

# PIZZA TIME

GET READY TO SLICE  
INTO SAVINGS WITH  
OUR PIZZA SALE!

Enjoy a Analysis  
on all pizzas, from  
classic Margherita to specialty  
options loaded with toppings.

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# FreshPizza

Query 1- Retrieve the total number of orders placed.

```
select  
    count(order_id)  
        |as total_orders  
from orders;
```

	total_orders
1	21350



# FreshPizza

**Query 2-Calculate the total revenue generated from the pizza sales.**

```
-select round(sum(order_details.quantity *  
    pizzas.price),2) as total_sales  
from order_details join pizzas  
on pizzas.pizza_id = order_details.pizza_id;
```

	total_sales
1	817860.05



# FreshPizza

## Query 3- Identify the highest price of pizza.

```
select top 1
    pizza_types.name,
    round(pizzas.price,2)
    as pizza_price
from pizza_types
join pizzas
on pizza_types.pizza_type_id =
    pizzas.pizza_type_id
order by pizzas.price desc;
```

	name	pizza_price
1	The Greek Pizza	35.95



# FreshPizza

## Query 4-Identify the 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;
```

	size	order_count
1	L	18526
2	M	15385
3	S	14137
4	XL	544
5	XXL	28



# FreshPizza

**Query 5- List the top 5 most ordered pizza types along with their quantities.**

```
select top 5
    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;
```

	name	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



# FreshPizza

Query 6- Join the necessary table to find the 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;
```

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



# FreshPizza

## Query 7- Determine the distribution of orders by hour of the day.

```
select datename(hour, t_time)
as hour, count(order_id)
as order_count
from orders
group by datename(hour, t_time)
order by hour;
```

	hour	order_count
1	10	8
2	11	1231
3	12	2520
4	13	2455
5	14	1472
6	15	1468
7	16	1920
8	17	2336
9	18	2399
10	19	2009
11	20	1642
12	21	1198
13	22	663
14	23	28
15	9	1



# FreshPizza

Query 8- Join relevant tables to find the category-wise distribution of pizzas.

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

	category	count_of_pizzas
1	Chicken	6
2	Classic	8
3	Supreme	9
4	Veggie	9



# FreshPizza

**Query 9- Group the orders by date and calculate the average number of pizzas ordered per day.**

```
select avg(quantity) as
      avg_pizza_ordered_per_day
from  (select o.d_date,
      sum(od.quantity) as quantity
from orders as o
join order_details as od
on od.order_id = o.order_id
group by o.d_date)
as order_quantity;
```

	avg_pizza_ordered_per_day
1	138



# FreshPizza

**Query 10- 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 ;
```

	name	revenue
1	The Thai Chicken Pizza	43434.25
2	The Barbecue Chicken Pizza	42768
3	The California Chicken Pizza	41409.5



# FreshPizza

## Query 11- Calculate the percentage contribution of each pizza type to total revenue.

```
select pizza_types.category,
       round(((sum(order_details.quantity * pizzas.price)) / (select
           round(sum(order_details.quantity * pizzas.price),2) as total_sales
      from order_details
      join pizzas on pizzas.pizza_id = order_details.pizza_id)) * 100,2) 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 ;
```

	category	revenue
1	Classic	26.91
2	Supreme	25.46
3	Chicken	23.96
4	Veggie	23.68



# FreshPizza

## Query 12- Analyze the cumulative revenue generated over time.

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

	d_date	cum_revenue
1	2015-01-01	2713.85000228882
2	2015-01-02	5445.7500038147
3	2015-01-03	8108.15000724792
4	2015-01-04	9863.60000801086
5	2015-01-05	11929.5500087738
6	2015-01-06	14358.5000114441
7	2015-01-07	16560.700012207
8	2015-01-08	19399.0500183105
9	2015-01-09	21526.4000225067
10	2015-01-10	23990.350025177
11	2015-01-11	25862.6500263214
12	2015-01-12	27781.7000274658
13	2015-01-13	29831.3000278473
14	2015-01-14	32358.7000293732
15	2015-01-15	34343.5000324249
16	2015-01-16	36937.6500339508
17	2015-01-17	39001.7500343323
18	2015-01-18	40978.6000366211
19	2015-01-19	43365.7500400543
20	2015-01-20	45763.6500415802
21	2015-01-21	47804.2000465393
22	2015-01-22	50300.9000473022
23	2015-01-23	52724.6000518799
24	2015-01-24	55013.8500518799
25	2015-01-25	56631.4000530243



# FreshPizza

**Query 13- Determine the top 3 most ordered pizza types based on revenue for each pizza category.**

```
select name, revenue
from
(select category, name, revenue,
rank() over (partition by category order by revenue desc) as rn
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) as b
where rn <=3;
```



# FreshPizza

**Query 13- Determine the top 3 most ordered pizza types based on revenue for each pizza category.**

	name	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 Hawaiian Pizza	32273.25
6	The Pepperoni Pizza	30161.75
7	The Spicy Italian Pizza	34831.25
8	The Italian Supreme Pizza	33476.75
9	The Sicilian Pizza	30940.5
10	The Four Cheese Pizza	32265.7010040283
11	The Mexicana Pizza	26780.75
12	The Five Cheese Pizza	26066.5



it's  
Pizza  
Time

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