



PIZZA

30%
off up
to 30%
off up





Total number of
pizza orders placed

```
select count(*) as Total_number_of_order_placed  
from orders;
```

Total_number_of_order_placed
21350



total revenue generated from pizza sales.

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

Total_revenue_from_sales
817860.05



What is the highest prized pizza?

```
select top 1 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
```

name	price
The Greek Pizza	35.9500007629395



The most common pizza size ordered

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

size	quantity
L	18526



Top 5 most ordered pizza types along with their quantities.

```
select top 5 pizza_types.name as Top_5_Pizzas,  
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
```

Top_5_Pizzas	quantity
The Classic Deluxe Pizza	2453
The Barbecue Chicken Pizza	2432
The Hawaiian Pizza	2422
The Pepperoni Pizza	2418
The Thai Chicken Pizza	2371



Find the total quantity of each pizza category ordered.

```
select pizza_types.category as Pizza_Catagory,  
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
```

Pizza_Catagory	quantity
Classic	14888
Supreme	11987
Veggie	11649
Chicken	11050



Determine the distribution of orders by hour of the day.

```
select DATEPART(hh, time) as Hour, count(order_id) as count_order
from orders
group by DATEPART(hh, time)
order by DATEPART(hh, time)
```

	Hour	count_order
1	9	1
2	10	8
3	11	1231
4	12	2520
5	13	2455
6	14	1472
7	15	1468
8	16	1020



find the category-wise distribution of pizzas.

```
select category as Pizza_category , count(name) as pizza_type  
from pizza_types  
group by category
```

	Pizza_category	pizza_type
1	Chicken	6
2	Classic	8
3	Supreme	9
4	Veggie	9



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

```
select avg(total_pizzas) as Avg_order_quantity  
from  
(select orders.date as orders_dates,  
sum(order_details.quantity) as total_pizzas  
from orders join order_details  
on orders.order_id = order_details.order_id  
group by orders.date) as abc;
```

	Avg_order_quantity
1	138



Find top 3 most ordered pizza types based on revenue.

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

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



Calculate the percentage contribution of each pizza type to total revenue.

```
select pizza_types.category,
       (sum(pizzas.price * order_details.quantity) / (select
           round(sum(pizzas.price * order_details.quantity),2) as Total_sales
      from order_details join pizzas
        on order_details.pizza_id = pizzas.pizza_id)
    *100) as Parcetage_of_contribution
  from pizza_types join pizzas
    on pizza_types.pizza_type_id = pizzas.pizza_type_id
   join order_details
    on pizzas.pizza_id = order_details.pizza_id
   group by pizza_types.category
  order by Parcetage_of_contribution
```

	category	Parcetage_of_contribution
1	Veggie	23.6825910501471
2	Chicken	23.9551375568473
3	Supreme	25.4563112372441
4	Classic	26.9059602582816



Find the cumulative revenue generated over time.

```
select dates, sum(Revenue) over (order by dates) as cumulative_revenue
from
  (select orders.date as dates,
  round(sum(pizzas.price * order_details.quantity),2) as Revenue
  from orders join order_details
  on orders.order_id = order_details.order_id
  join pizzas
  on pizzas.pizza_id = order_details.pizza_id
  group by orders.date) as sales;
```

	dates	cumulative_revenue
1	2015-01-01	2713.85
2	2015-01-02	5445.75
3	2015-01-03	8108.15

356	2015-12-29	813606.25
357	2015-12-30	814944.05
358	2015-12-31	817860.05



What is the 3 most ordered pizza types based on revenue for each pizza category?

```
select category, name, Revenue
from
(select category, name, Revenue,
Rank() over(partition by category order by Revenue desc) as ranking
from
(select pizza_types.category, pizza_types.name,
sum(pizzas.price * order_details.quantity) 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 table1) as table2
where ranking <= 3
```

category	name	Revenue	Supreme	The Spicy Italian Pizza	34831.25
Chicken	The Thai Chicken Pizza	43434.25	Supreme	The Italian Supreme Pizza	33476.75
Chicken	The Barbecue Chicken Pizza	42768	Supreme	The Sicilian Pizza	30940.5
Chicken	The California Chicken Pizza	41409.5			
Classic	The Classic Deluxe Pizza	38180.5	Veggie	The Four Cheese Pizza	32265...
Classic	The Hawaiian Pizza	32273.25	Veggie	The Mexicana Pizza	26780.75
Classic	The Pepperoni Pizza	30161.75	Veggie	The Five Cheese Pizza	26066.5