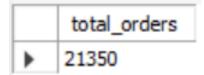




COUNT(order\_id) AS total\_orders
FROM

orders;







```
SELECT

ROUND(SUM(order_details.Quantity * pizzas.price),

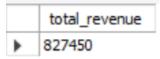
2) AS total_revenue

FROM

order_details

JOIN

pizzas ON pizzas.pizza_id = order_details.Pizza_id;
```







#### HIGHEST-PRICED PIZZA.

	pizza_name	price
•	The Greek Pizza	36





### MOST COMMON PIZZA SIZE ORDERED.

```
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

LIMIT 1;
```

	size	order_count
•	L	18526





```
SELECT

pizza_types.pizza_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.pizza_name

ORDER BY Quantity DESC

LIMIT 5;
```

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





### 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
•	Classic	14888
	Supreme	11987
	Veggie	11649
	Chicken	11050





## DETERMINE THE DISTRIBUTION OF ORDERS BY HOUR OF THE DAY.

SELECT

HOUR(order\_time) AS hour, COUNT(order\_id) AS order\_count

FROM

orders

GROUP BY HOUR(order\_time);

	hour	order_count
•	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



#### CATEGORY-WISE DISTRIBUTION OF PIZZAS.

```
category, COUNT(pizza_name)
FROM
pizza_types
GROUP BY category;
```

	category	COUNT(pizza_name)
•	Chicken	6
	Classic	8
	Supreme	9
	Veggie	9





# ORDERS BY DATE AND THE AVERAGE NUMBER OF PIZZAS ORDERED PER DAY.

```
SELECT
```

ROUND(AVG(Quantity), 0) as avg\_pizza\_ordered\_per\_day

FROM

(SELECT

orders.Order\_date, SUM(order\_details.Quantity) AS quantity

**FROM** 

orders

JOIN order\_details ON orders.Order\_id = order\_details.Order\_id

GROUP BY orders.Order\_date) AS order\_quantity;

avg\_pizza\_ordered\_per\_day

138





## THE TOP 3 MOST ORDERED PIZZA TYPES BASED ON REVENUE.

```
SELECT

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

LIMIT 3;
```

	avg_pizza_ordered_per_day		
•	138		





#### CUMULATIVE REVENUE GENERATED OVER TIME.

```
select order_date,
sum(revenue) over (order by order_date) as cum_revenue
from

(select orders.Order_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.Order_date) as sales;
```

	order_date	cum_revenue
١	2015-01-01	2746
	2015-01-02	5512
	2015-01-03	8203
	2015-01-04	9983
	2015-01-05	12075
	2015-01-06	14532
	2015-01-07	16761
	2015-01-08	19628



```
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
•	Classic	26.96
	Supreme	25.51
	Chicken	24.01
	Veggie	23.53

#### LAWRENCE PI77A

# THE TOP 3 MOST ORDERED PIZZA TYPES BASED ON REVENUE FOR EACH PIZZA CATEGORY.

```
select pizza_name, revenue, rnk
from

(select category, pizza_name, revenue,
    rank() over(partition by category order by revenue desc) as rnk
from

(select pizza_types.category, pizza_types.pizza_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.pizza_name) as a) as b
    where rnk <=3;</pre>
```

	pizza_name	revenue	rnk
•	The Thai Chicken Pizza	44027	1
	The Barbecue Chicken Pizza	43376	2
	The California Chicken Pizza	42002	3
	The Classic Deluxe Pizza	38417	1
	The Hawaiian Pizza	33122	2