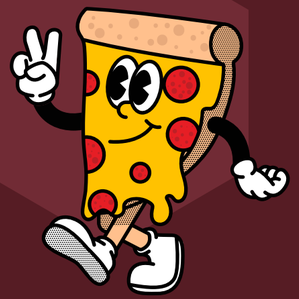
PIZZA SALES REPORT

RETRIEVE THE TOTAL NUMBER OF ORDERS PLACED.

```sql
select count(order_id) as  Total_orders  from orders;
```

Result Grid

	Total_orders
▶	21350



CALCULATE THE TOTAL REVENUE GENERATED FROM PIZZA SALES.

```sql
SELECT
    ROUND(SUM(orders_details.quantity * pizzas.price),
            2) AS total_revenue
FROM
    orders_details
        JOIN
    pizzas ON orders_details.pizza_id = pizzas.pizza_id;
```

Result Grid

total_revenue
817860.05

IDENTIFY THE HIGHEST-PRICED PIZZA.

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

Result Grid | Filter Rows:

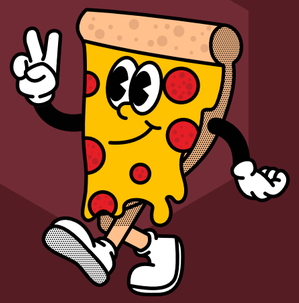
name	price
The Greek Pizza	35.95

IDENTIFY THE MOST COMMON PIZZA SIZE ORDERED.

```
select pizzas.size,count(orders_details.order_details_id) as order_count from pizzas
join orders_details
on pizzas.pizza_id =orders_details.pizza_id
group by pizzas.size order by order_count desc;
```

Result Grid | Filte

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

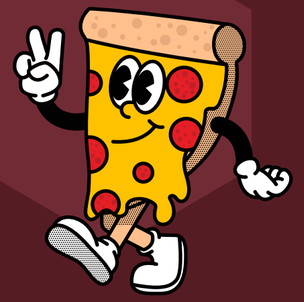


LIST THE TOP 5 MOST ORDERED PIZZA TYPES ALONG WITH THEIR QUANTITIES.

```
 select pizza_types.name,Sum(orders_details.quantity) as quantity
from pizza_types join pizzas
on pizza_types.pizza_type_id = pizzas.pizza_type_id join
orders_details
On orders_details.pizza_id =pizzas.pizza_id
group by pizza_types.name
order by quantity desc limit 5;
```

Result Grid | Filter Rows:

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



JOIN THE NECESSARY TABLES TO FIND THE TOTAL QUANTITY OF EACH PIZZA CATEGORY ORDERED.

```sql
select pizza_types.category,sum(orders_details.quantity) as quantity
from pizza_types join pizzas
on pizza_types.pizza_type_id=pizzas.pizza_type_id
join orders_details
on orders_details.pizza_id=pizzas.pizza_id
group by pizza_types.category order by quantity desc;
```

Result Grid | Filte

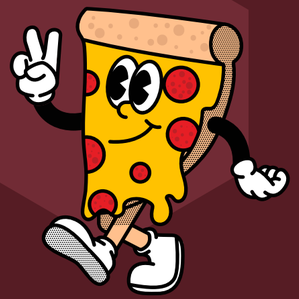
category	quantity
Classic	14888
Supreme	11987
Veggie	11649
Chicken	11050

DETERMINE THE DISTRIBUTION OF ORDERS BY HOUR OF THE DAY.

```
ect hour(order_time) as hour, count(order_id) as order_c
m orders
up by hour(order_time);
```

Result Grid | Filt

hour	order_count
11	1231
12	2520
13	2455
14	1472
15	1468
16	1920

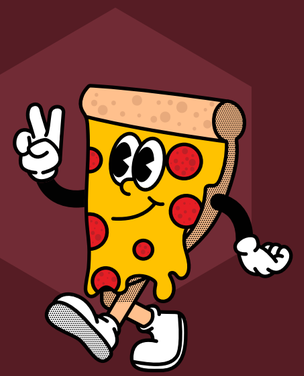


JOIN RELEVANT TABLES TO FIND THE CATEGORY-WISE DISTRIBUTION OF PIZZAS.

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

Result Grid | Filter Ro

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

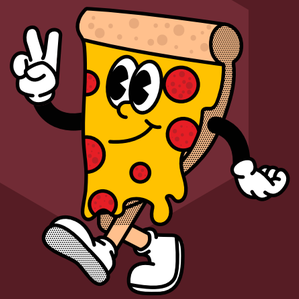


GROUP THE ORDERS BY DATE AND CALCULATE THE AVERAGE NUMBER OF PIZZAS ORDERED PER DAY.

```
select round(avg(quantity),0)
from (select orders.order_date, sum(orders_details.quantity) as quantity
from orders join orders_details
on orders.order_id = orders_details.order_id
group by orders.order_date) as order_quantity;
```

Result Grid | Filter Ro

	round(avg(quantity),0)
▶	138

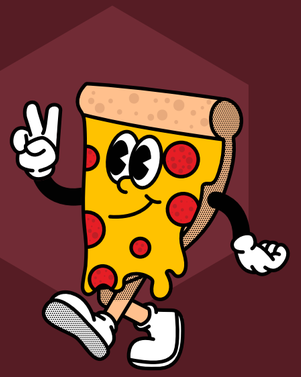


DETERMINE THE TOP 3 MOST ORDERED PIZZA TYPES BASED ON REVENUE.

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

Result Grid | Filter Rows:

name	revenue
The Thai Chicken Pizza	43434.25
The Barbecue Chicken Pizza	42768
The California Chicken Pizza	41409.5

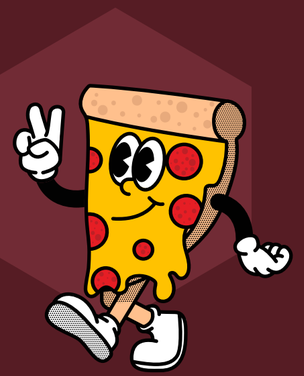


CALCULATE THE PERCENTAGE CONTRIBUTION OF EACH PIZZA TYPE TO TOTAL REVENUE.

```sql
select pizza_types.category,
round(sum(orders_details.quantity*pizzas.price)/(select
    round(sum(orders_details.quantity*pizzas.price),2) as total_sales
    from orders_details join pizzas
    on pizzas.pizza_id =orders_details.pizza_id)*100,2) as revenue
    from pizza_types join pizzas
    on pizza_types.pizza_type_id=pizzas.pizza_type_id
    join orders_details
    on orders_details.pizza_id=pizzas.pizza_id
    group by pizza_types.category order by revenue desc;
```

Result Grid

category	revenue
Classic	26.91
Supreme	25.46
Chicken	23.96
Veggie	23.68



ANALYZE THE CUMULATIVE REVENUE GENERATED OVER TIME.

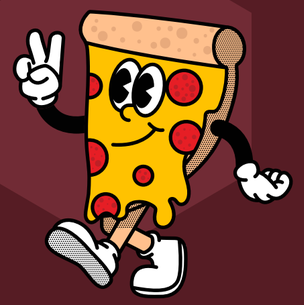
```sql
select order_date,
sum(revenue) over(order by order_date) as cum_revenue from
(select orders.order_date,
sum(orders_details.quantity*pizzas.price) as revenue
from orders_details join pizzas
on orders_details.pizza_id =pizzas.pizza_id
join orders
on orders.order_id = orders_details.order_id
group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

Result Grid | Filter Rows:

order_date	cum_revenue
2015-01-01	2713.8500000000004
2015-01-02	5445.75
2015-01-03	8108.15
2015-01-04	9863.6
2015-01-05	11929.55
2015-01-06	14358.5

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((orders_details.quantity)*pizzas.price)as revenue
from pizza_types join pizzas
on pizza_types.pizza_type_id = pizzas.pizza_type_id
join orders_details
on orders_details.pizza_id =pizzas.pizza_id
group by pizza_types.category,pizza_types.name) as a) as b
where rn<=3;
```



Result Grid | Filter Rows:

name	revenue
The Thai Chicken Pizza	43434.25
The Barbecue Chicken Pizza	42768
The California Chicken Pizza	41409.5
The Classic Deluxe Pizza	38180.5
The Hawaiian Pizza	32273.25

THANK YOU