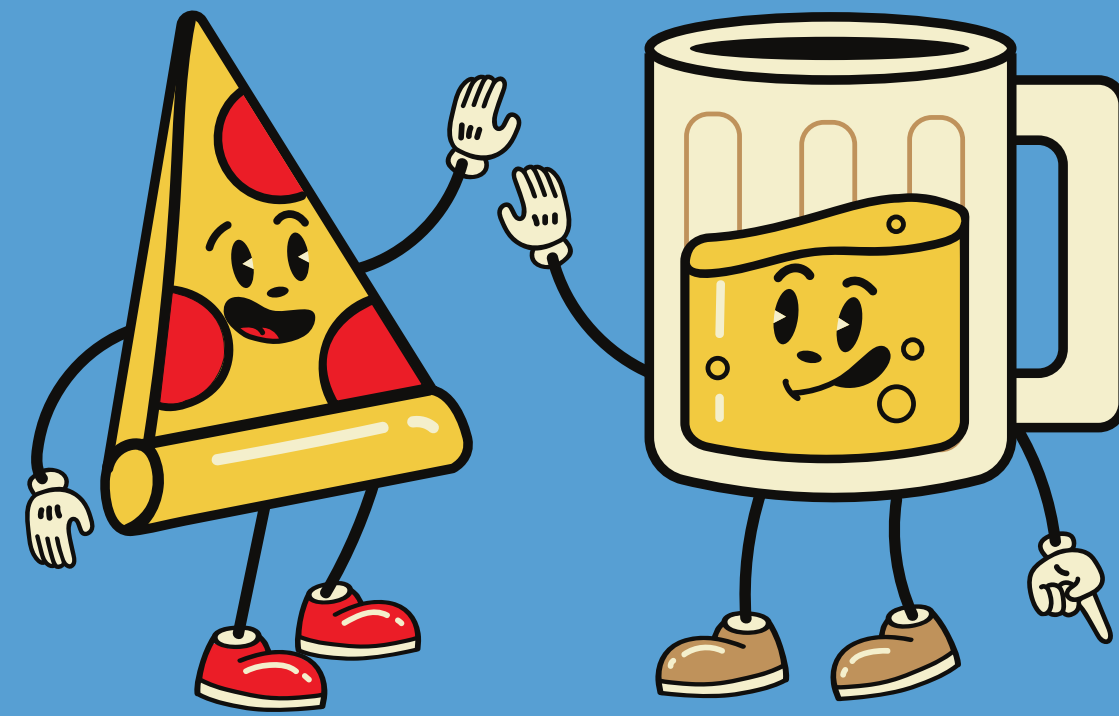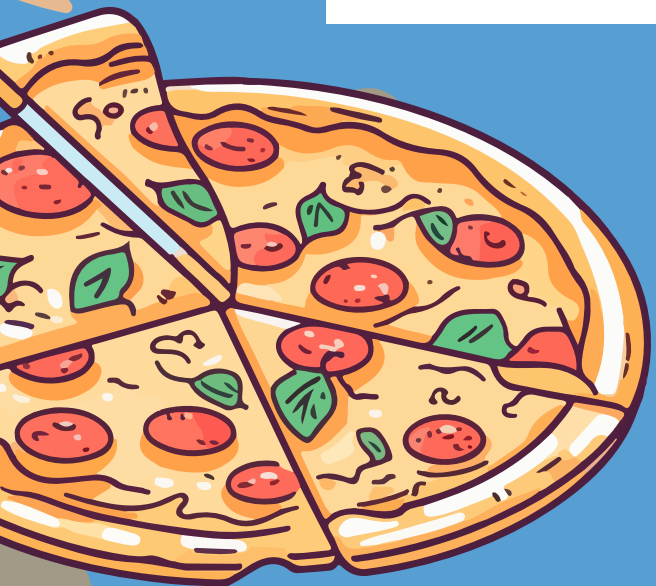PIZZA
OPEN 24/7

"Pizza Sales Analysis Using MySQL"
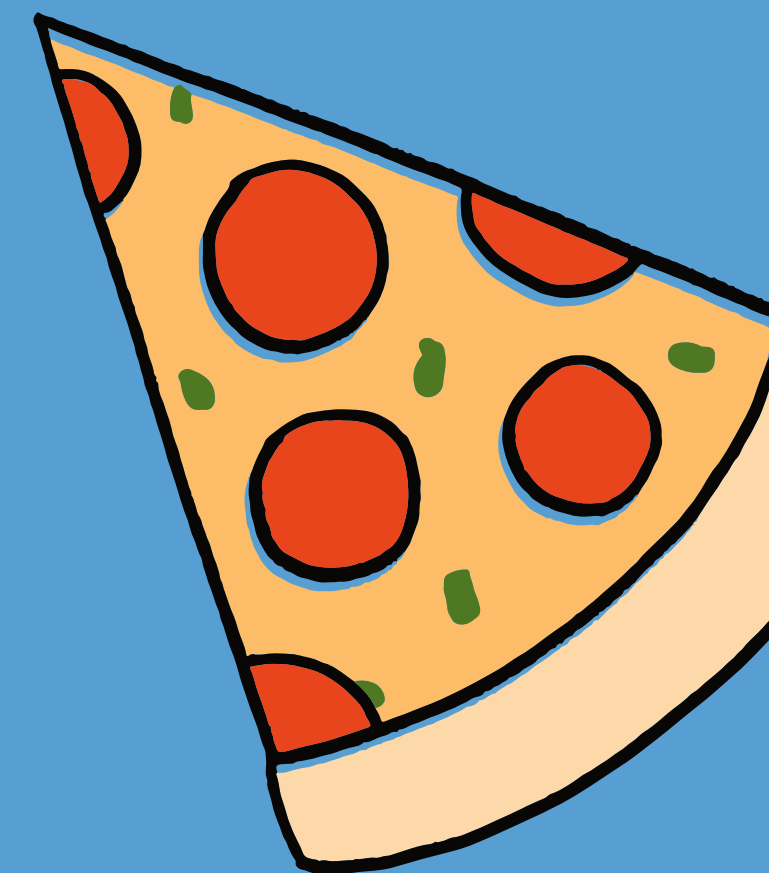
By sweta singh

Retrieve the total number of orders placed.

```sql
-- Retrieve the total number of orders placed.

select*from orders;

select count(order_id)as TOTAL_ORDERS from orders;
```
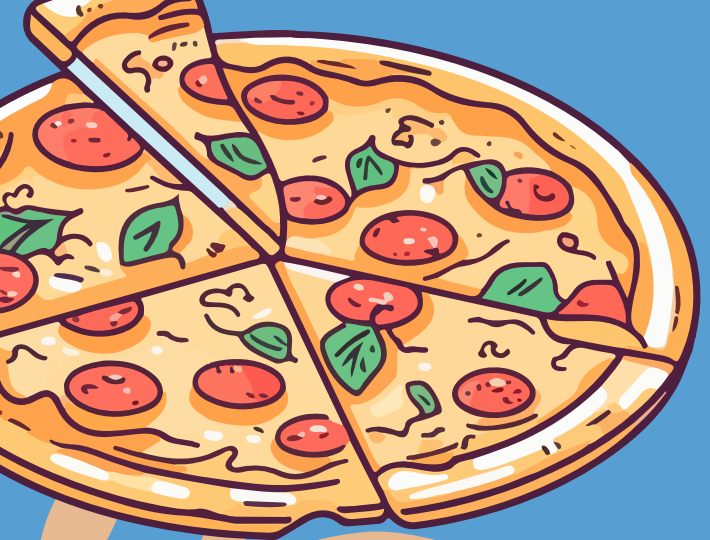
TOTAL_ORDERS
21350

Calculate the total revenue generated from pizza sales.

```sql
-- Calculate the total revenue generated from pizza sales.
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
```
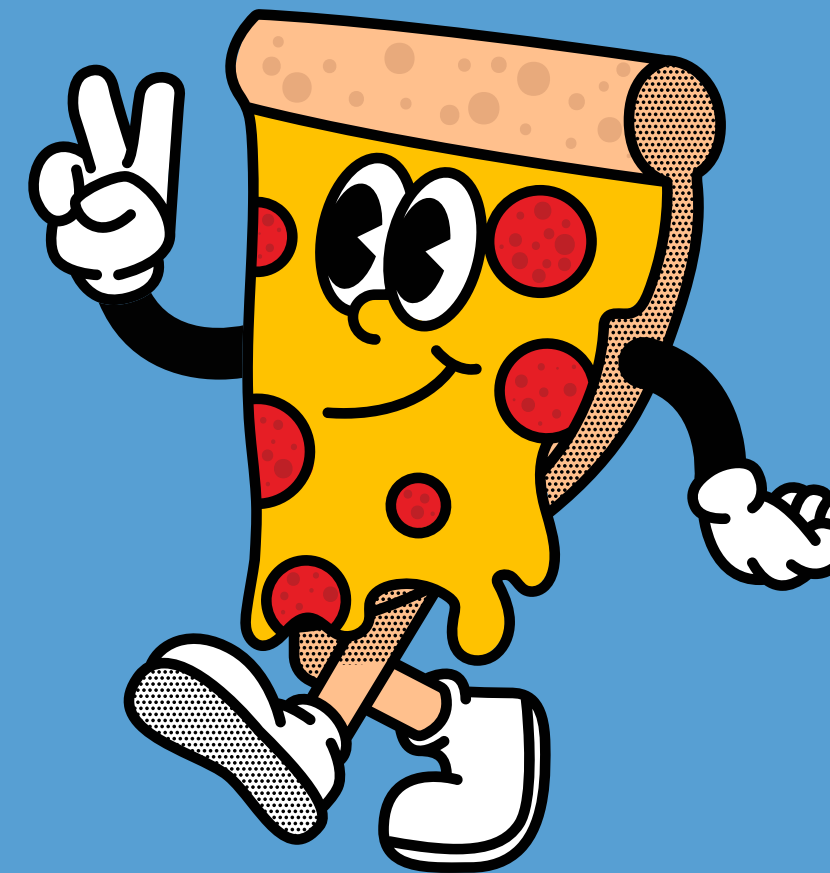
TOTAL_REVENUE
▶ 817860.05

Identify the highest-priced pizza.

```sql
-- Identify the highest-priced pizza.

select 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
limit 1;
```

	name	price
▶	The Greek Pizza	35.95

Identify the most common pizza size ordered.
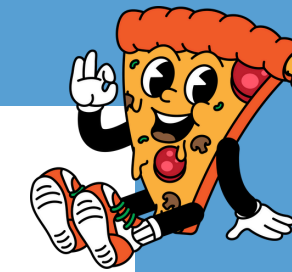
```sql
-- Identify the most common pizza size ordered.

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;
```

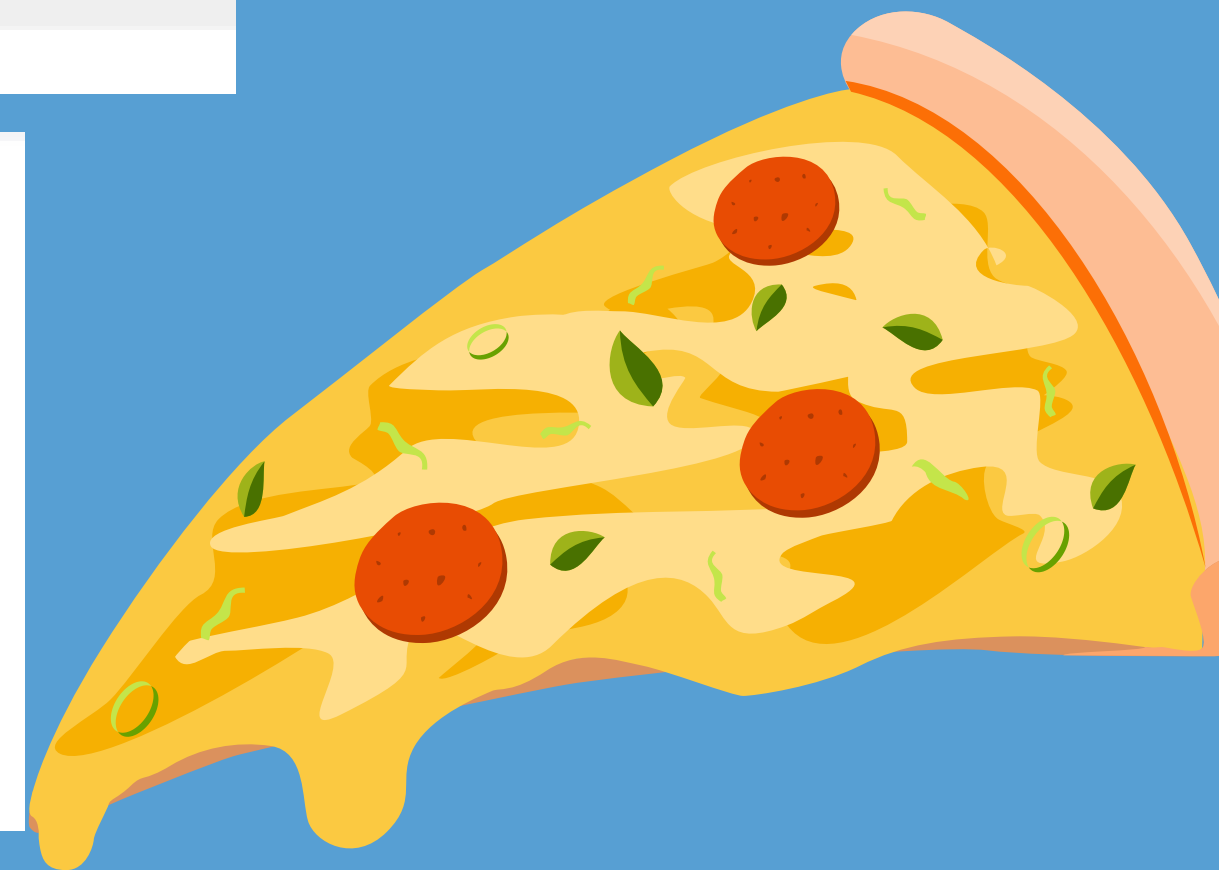| size	order_count
L	18526
M	15385
S	14137
XL	544
XXL	28

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

```sql
-- ---List the top 5 most ordered pizza
--   types along with their quantities.

select 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
limit 5;
```

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
-- Join the necessary tables 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;
```
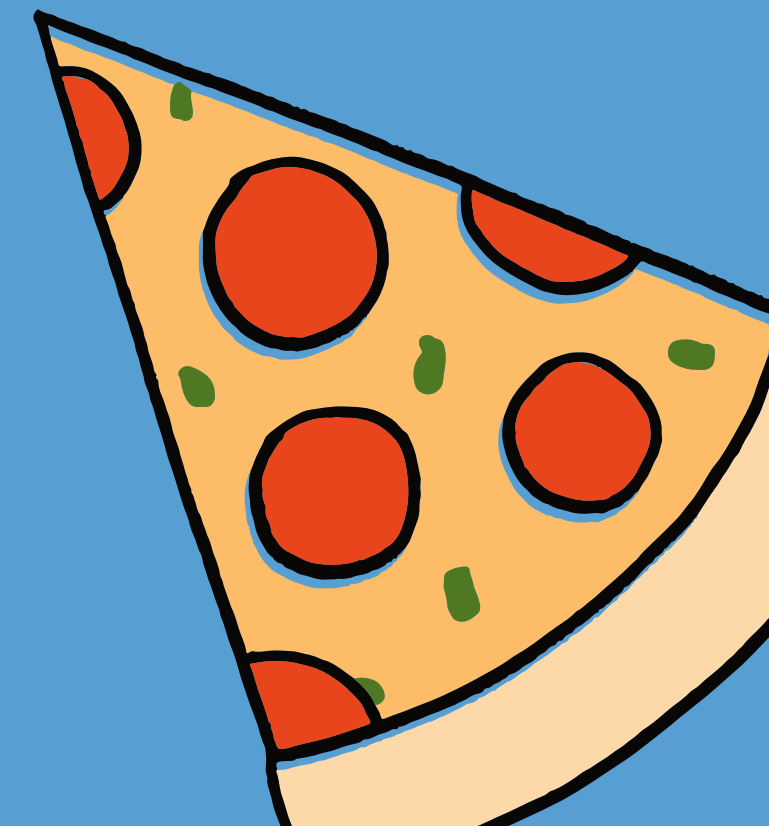
category	quantity
Classic	14888
Supreme	11987
Veggie	11649
Chicken	11050

Determine the distribution of orders by hour of the day.

```sql
-- 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)
limit 5;
```
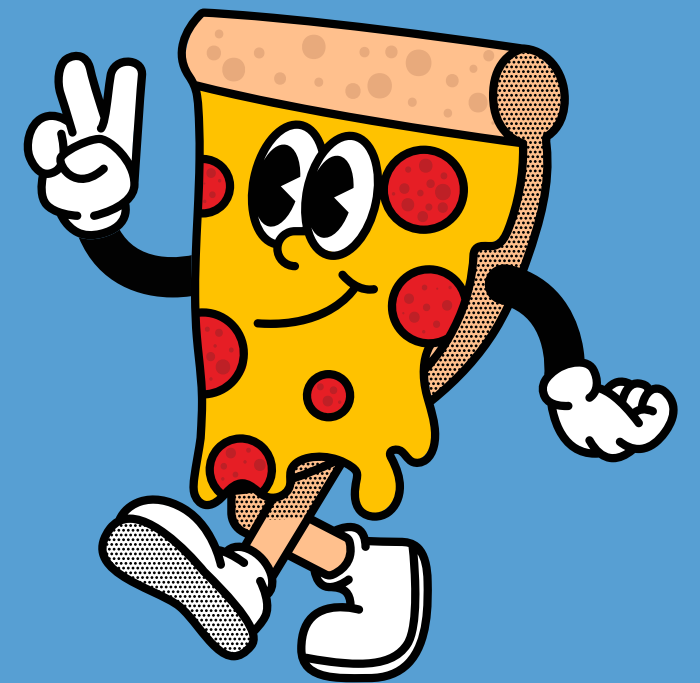
HOUR	order_count
11	1231
12	2520
13	2455
14	1472
15	1468

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

```sql
-- Group the orders by date and calculate the
-- average number of pizzas ordered per day.
select
round(avg(quantity),0) as AVG_PIZZA_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_PER_DAY
138

Thank You