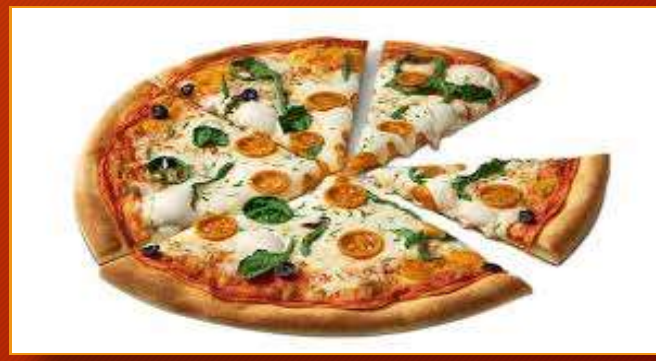
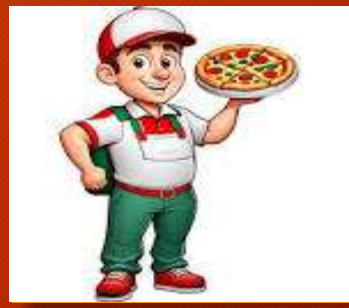
PIZZA SALES SQL ANALYSIS



Retrieve the total number of orders placed.



QUERY

```
SELECT
    COUNT(order_id) AS total_orders
FROM
    orders;
```

OUTPUT

Result Grid | Filter Rows:

	total_orders
▶	21350

Calculate the total revenue generated from pizza sales.

QUERY

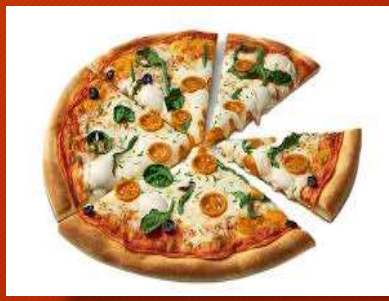
```
SELECT
    ROUND(SUM(order_details.quantity * pizzas.price),
            2) AS Total_Revenue
FROM
    order_details
        JOIN
    pizzas ON pizzas.pizza_id = order_details.pizza_id;
```

OUTPUT

Result Grid | Filter Rows:

	Total_Revenue
▶	817860.05

Identify the highest-priced pizza.



QUERY

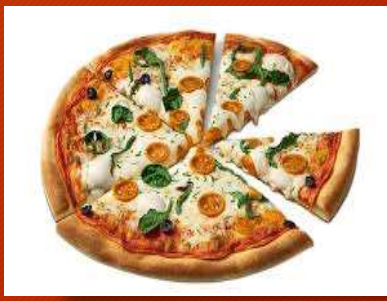
```
SELECT
    pizza_types.name, pizzas.price
FROM
    pizza_types
        JOIN
    pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
ORDER BY pizzas.price DESC
LIMIT 1;
```

OUTPUT

Result Grid | Filter Rows:

name	price
The Greek Pizza	35.95

Identify the most common pizza size ordered.



QUERY

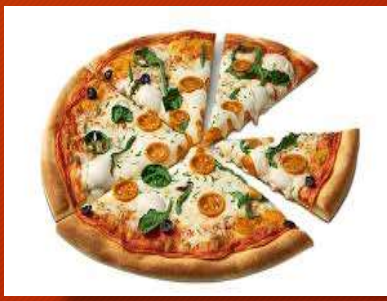
```
SELECT
    pizzas.size,
    COUNT(order_details.order_details_id) AS order_count
FROM
    pizzas
        JOIN
    order_details ON pizzas.pizza_id = order_details.pizza_id
GROUP BY 1
ORDER BY 2 DESC
LIMIT 1;
```

OUTPUT

Result Grid | Filter Rows:

size	order_count
L	18526

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



QUERY

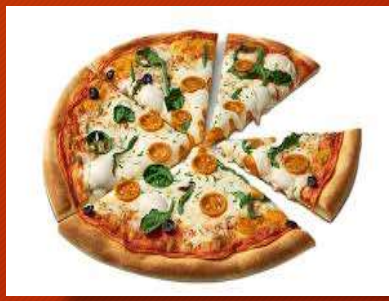
```
SELECT
    pizza_types.name, SUM(order_details.quantity) AS quantity
FROM
    pizza_types
        JOIN
    pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
        JOIN
    order_details ON order_details.pizza_id = pizzas.pizza_id
GROUP BY 1
ORDER BY 2 DESC
LIMIT 5;
```

OUTPUT

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.



QUERY

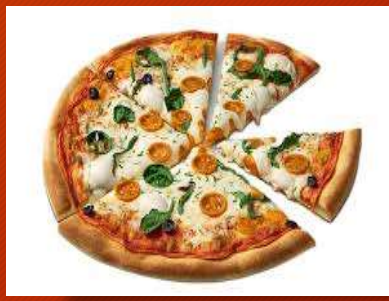
```
SELECT
    pizza_types.category,
    SUM(order_details.quantity) AS Quantity
FROM
    pizza_types
        JOIN
    pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
        JOIN
    order_details ON order_details.pizza_id = pizzas.pizza_id
GROUP BY 1
ORDER BY 2 DESC;
```

OUTPUT

Result Grid | Filter Rows:

category	Quantity
Classic	14888
Supreme	11987
Veggie	11649
Chicken	11050

Determine the distribution of orders by hour of the day.



QUERY

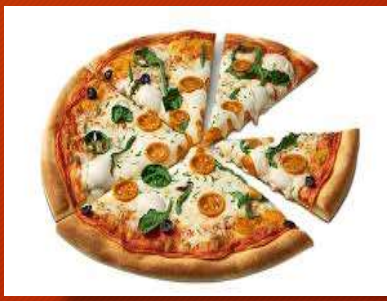
```
SELECT
    HOUR(time) AS hour, COUNT(order_id) AS order_count
FROM
    orders
GROUP BY 1;
```

OUTPUT

Result Grid | Filter Rows

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

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



QUERY

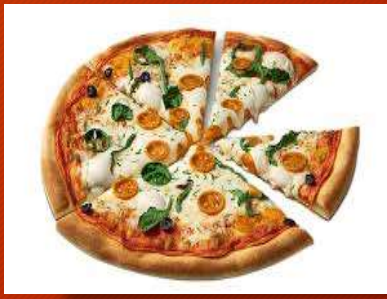
```
SELECT
    category, COUNT(name)
FROM
    pizza_types
GROUP BY 1;
```

OUTPUT

Result Grid | Filter Rows:

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.



QUERY

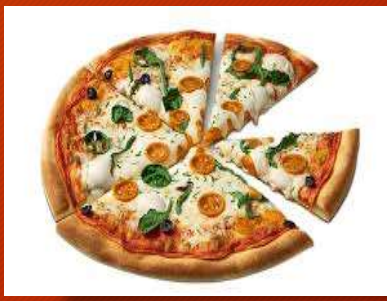
```
SELECT
    ROUND(AVG(quantity), 0) as avg_pizza_ordered_per_day
from
    (SELECT
            orders.date, SUM(order_details.quantity) AS quantity
        FROM
            orders
                JOIN
            order_details ON orders.order_id = order_details.order_id
        GROUP BY 1) AS order_quantity;
```

OUTPUT

Result Grid | Filter Rows:

avg_pizza_ordered_per_day
138

Determine the top 3 most ordered pizza types based on revenue.



QUERY

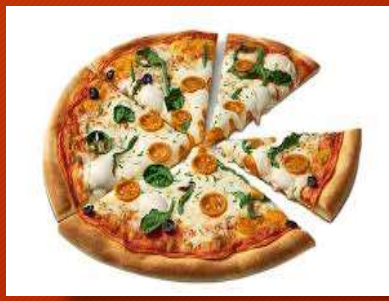
```
SELECT
    pizza_types.name,
    SUM(order_details.quantity * pizzas.price) AS revenue
FROM
    pizza_types
        JOIN
    pizzas ON pizzas.pizza_type_id = pizza_types.pizza_type_id
        JOIN
    order_details ON order_details.pizza_id = pizzas.pizza_id
GROUP BY 1
ORDER BY 2 DESC
LIMIT 3;
```

OUTPUT

Result Grid | Filter Rows: | Export:

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.



QUERY

```
WITH Total_Sales AS (
    SELECT
        ROUND(SUM(od.quantity * p.price), 2) AS total_revenue
    FROM
        order_details od
        JOIN pizzas p ON p.pizza_id = od.pizza_id
),
Category_Revenue AS (
    SELECT
        pt.category,
        SUM(od.quantity * p.price) AS category_revenue
    FROM
        pizza_types pt
        JOIN pizzas p ON pt.pizza_type_id = p.pizza_type_id
        JOIN order_details od ON od.pizza_id = p.pizza_id
    GROUP BY pt.category
)
SELECT
    cr.category,
    ROUND(cr.category_revenue / ts.total_revenue * 100, 2) AS revenue_percentage
FROM
    Category_Revenue cr
    JOIN Total_Sales ts
ORDER BY revenue_percentage DESC
LIMIT 3;
```

OUTPUT

Result Grid | Filter Rows: | Export:

category	revenue_percentage
Classic	26.91
Supreme	25.46
Chicken	23.96